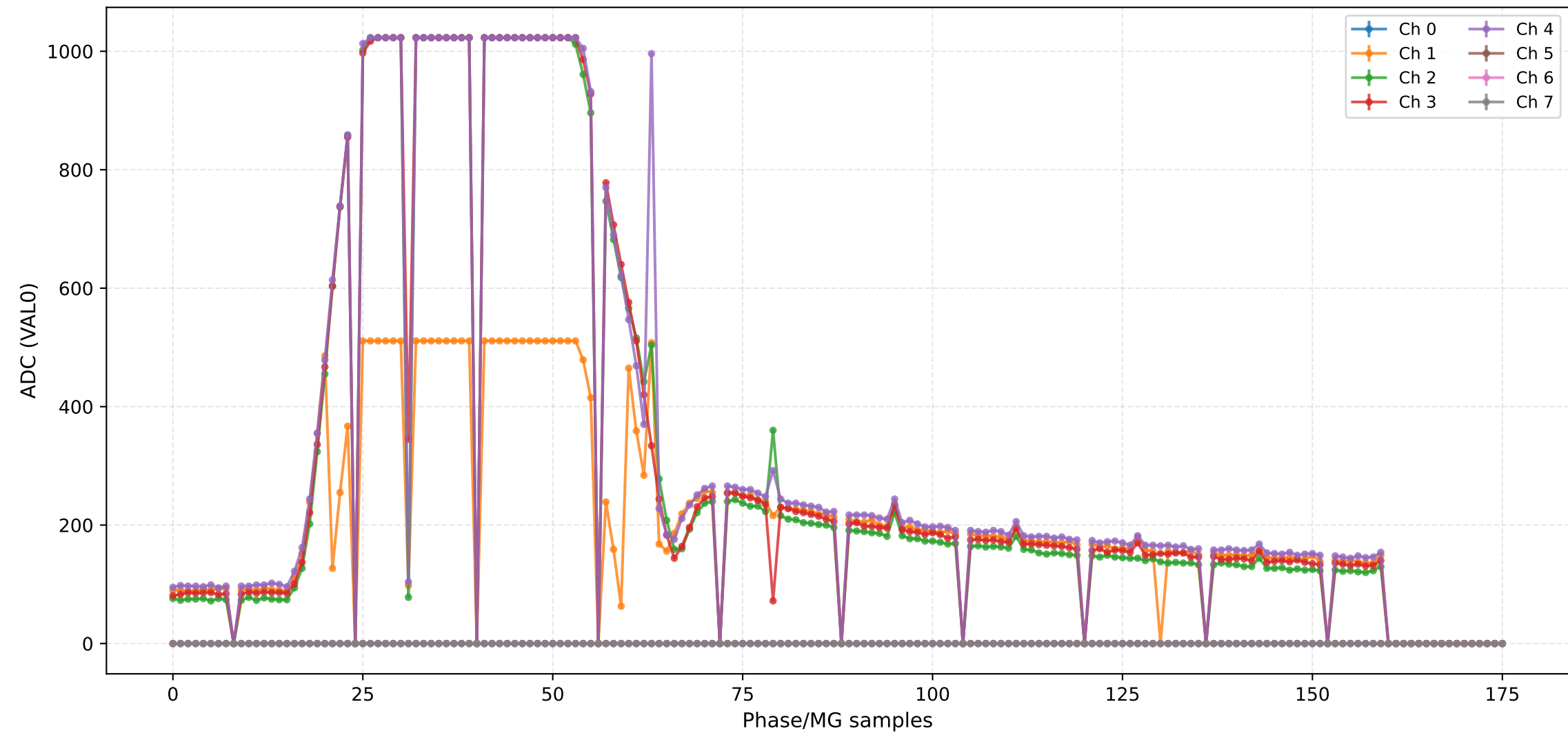


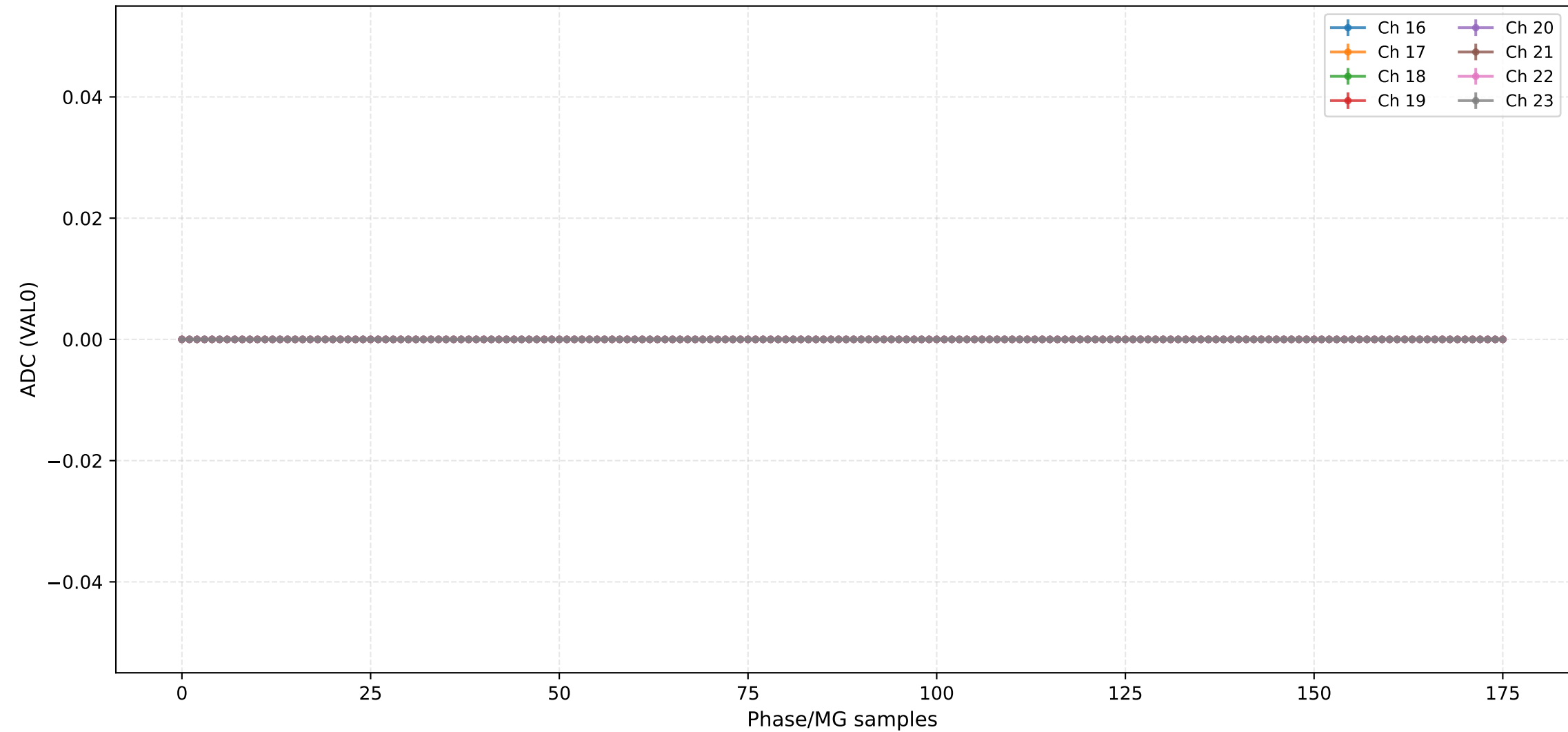
## ADC (VAL0) - Channels 0 to 7



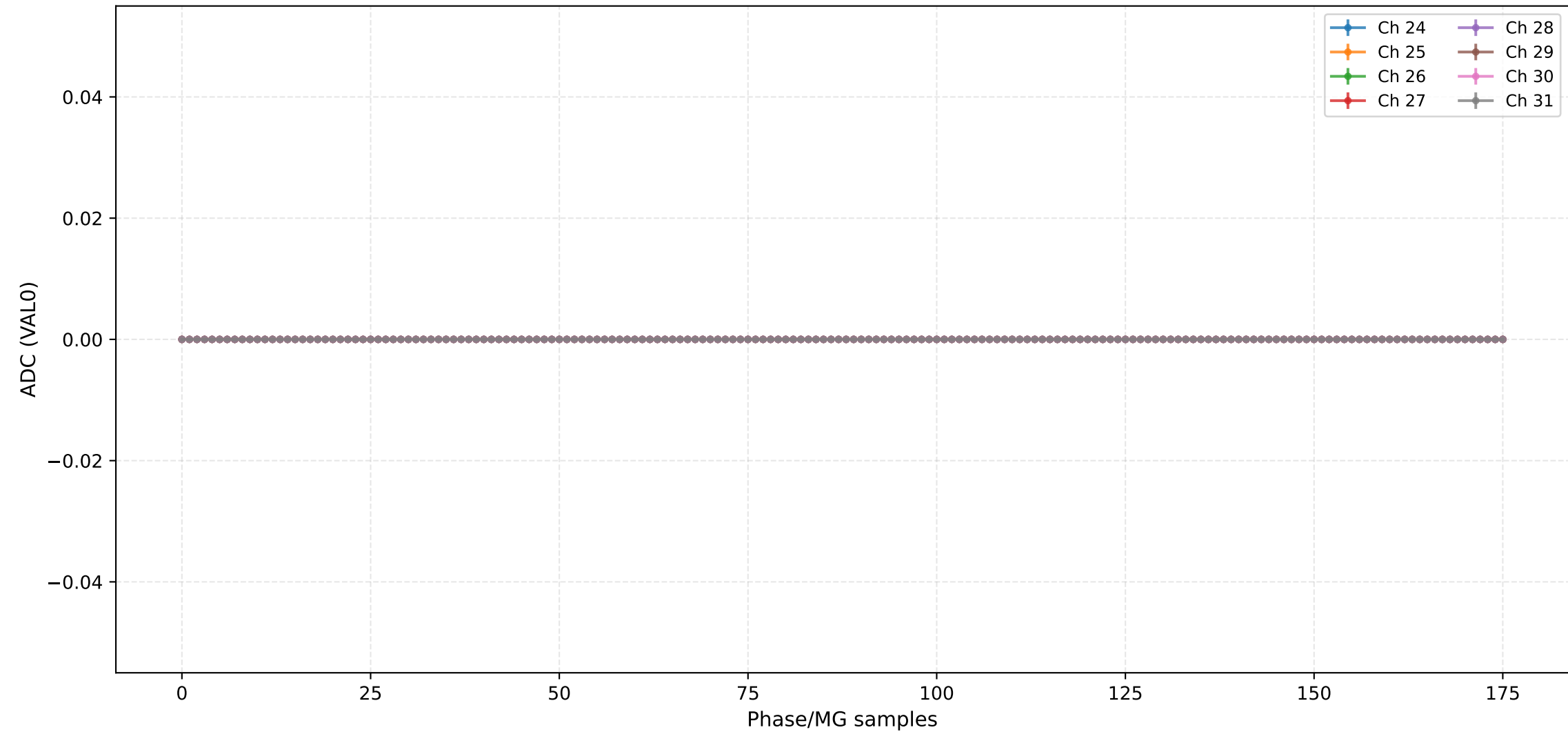
## ADC (VAL0) - Channels 8 to 15



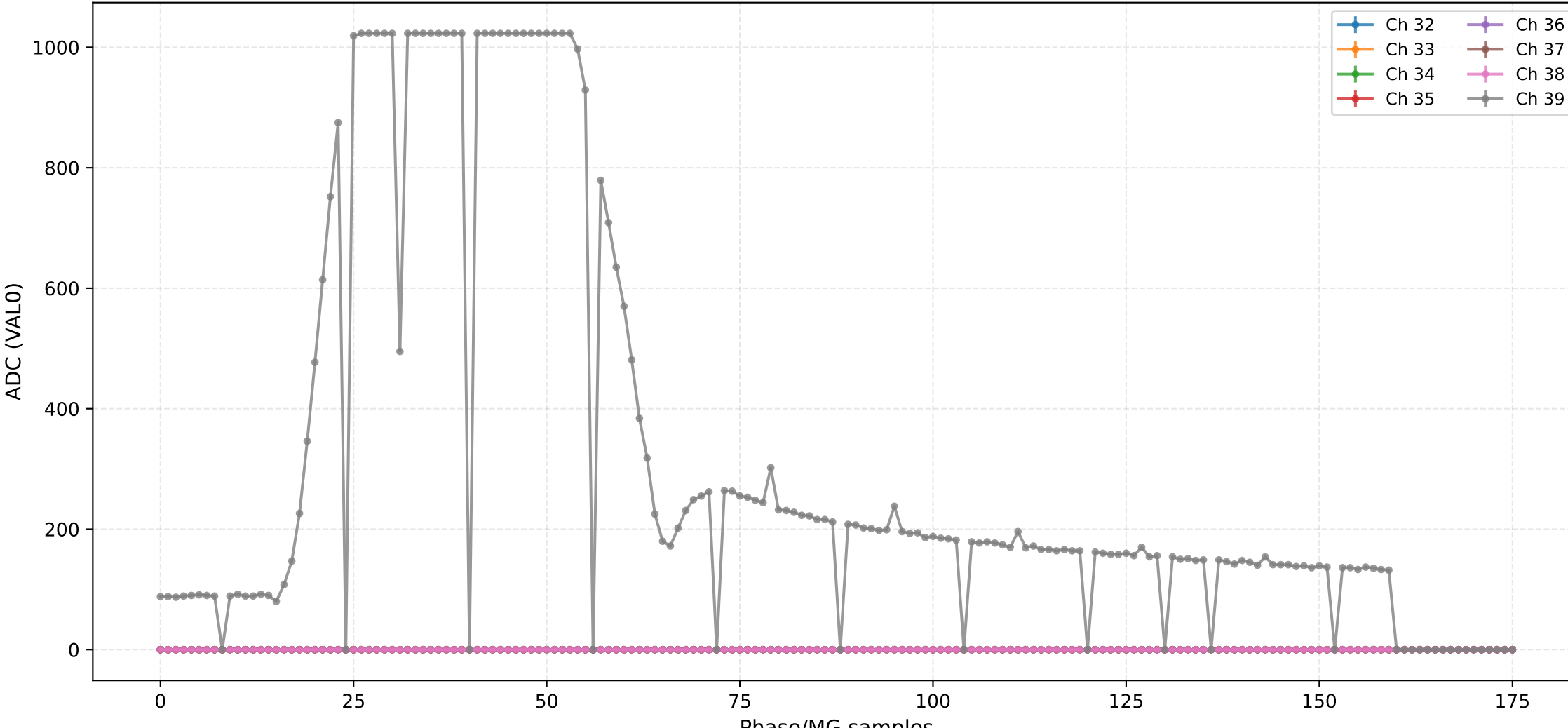
## ADC (VAL0) - Channels 16 to 23



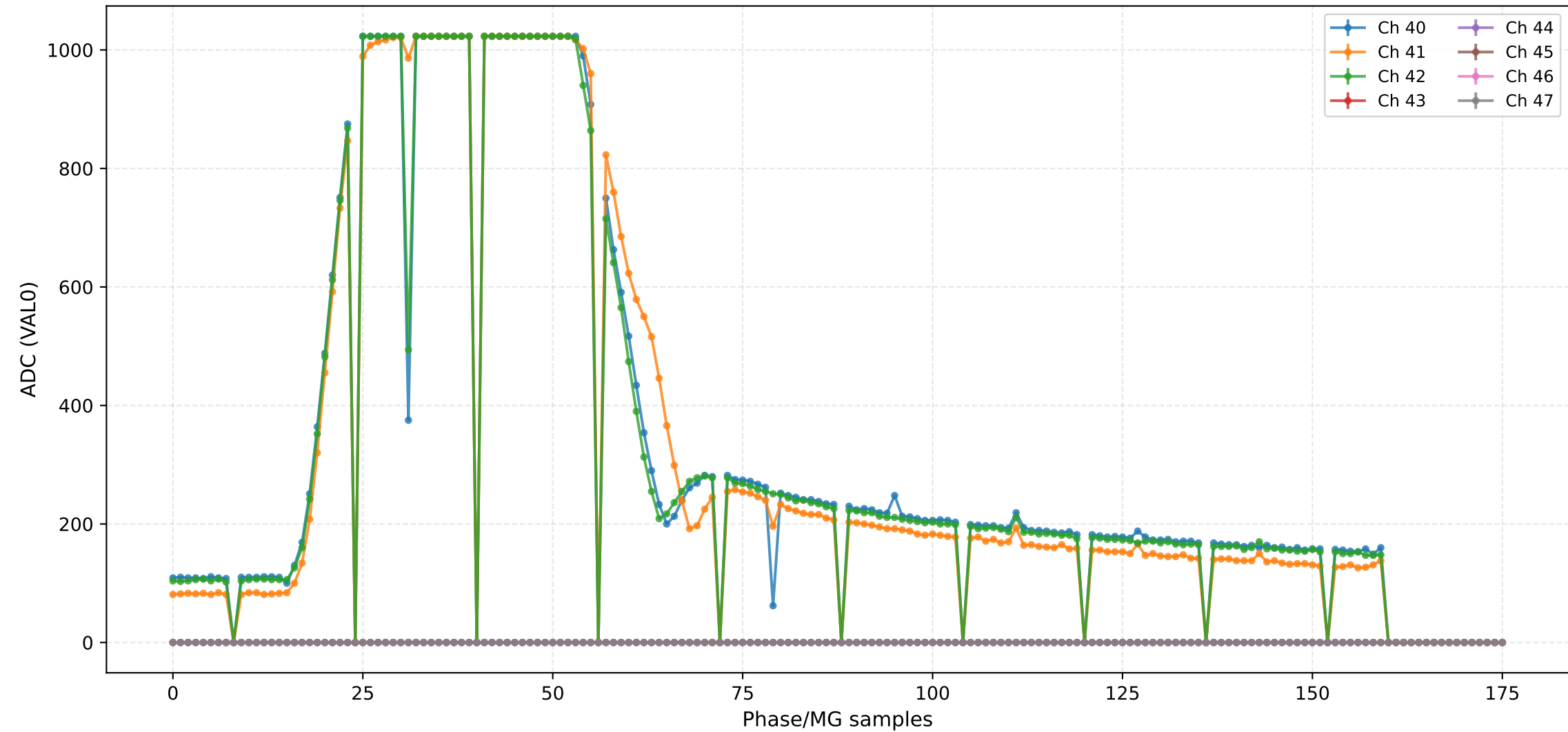
## ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55

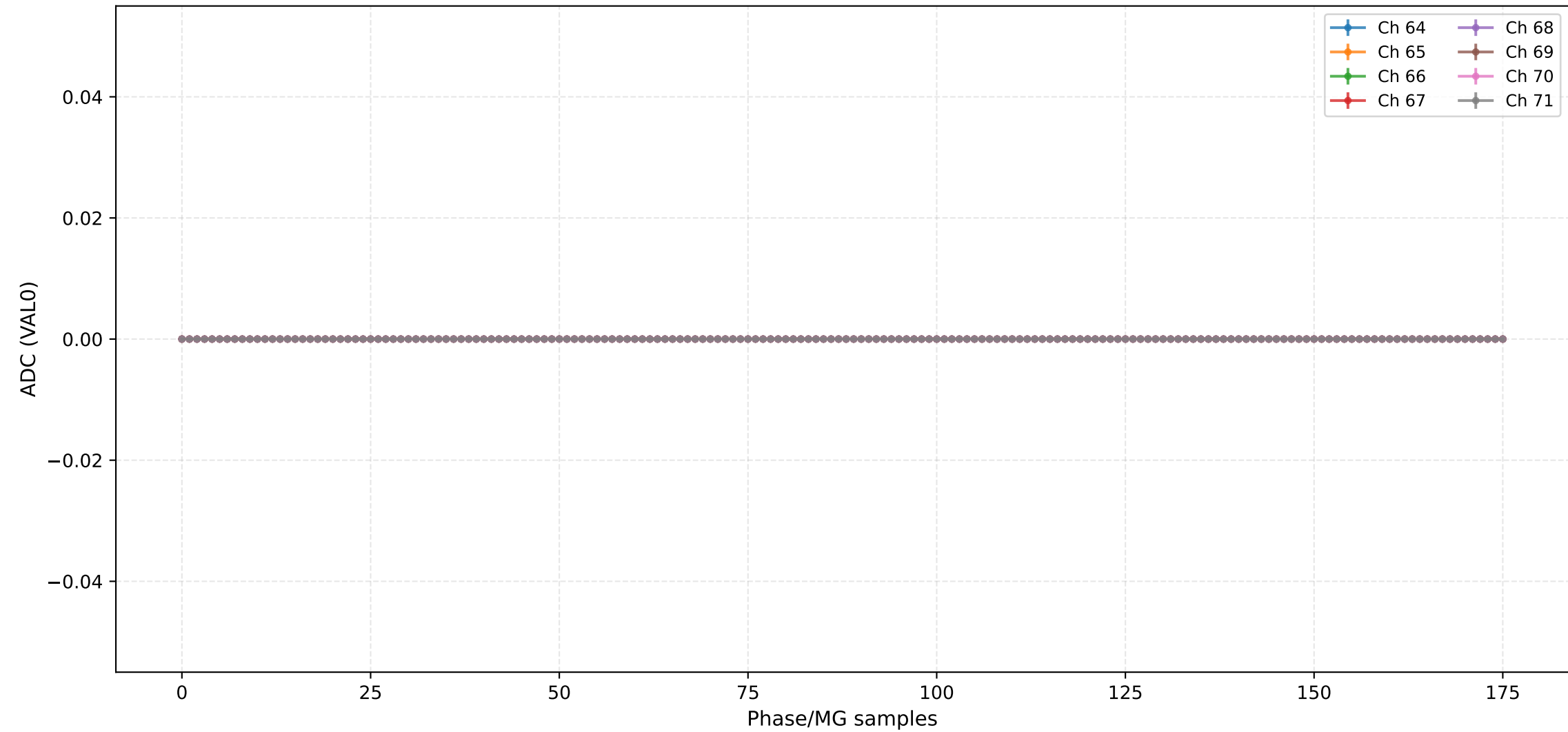


## ADC (VAL0) - Channels 56 to 63



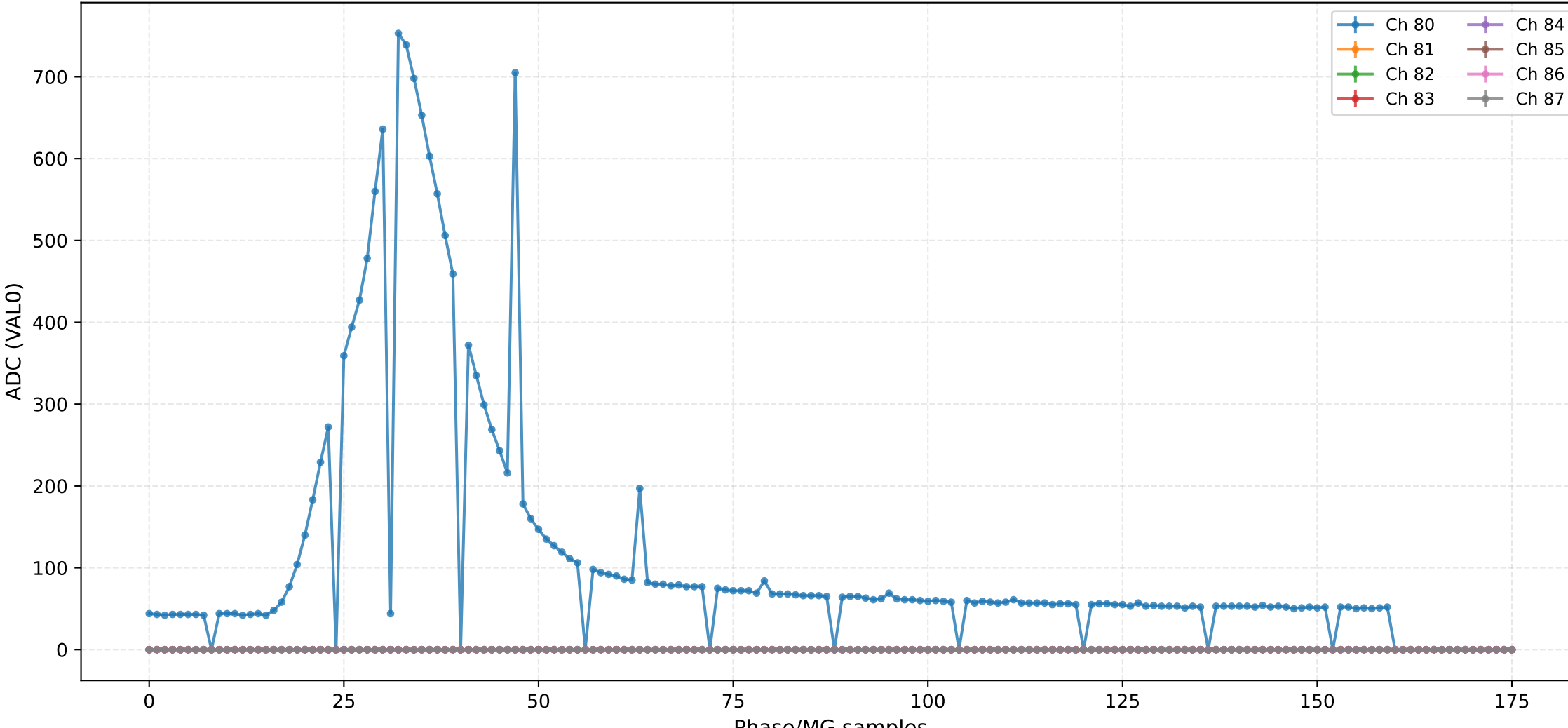


### ADC (VAL0) - Channels 64 to 71

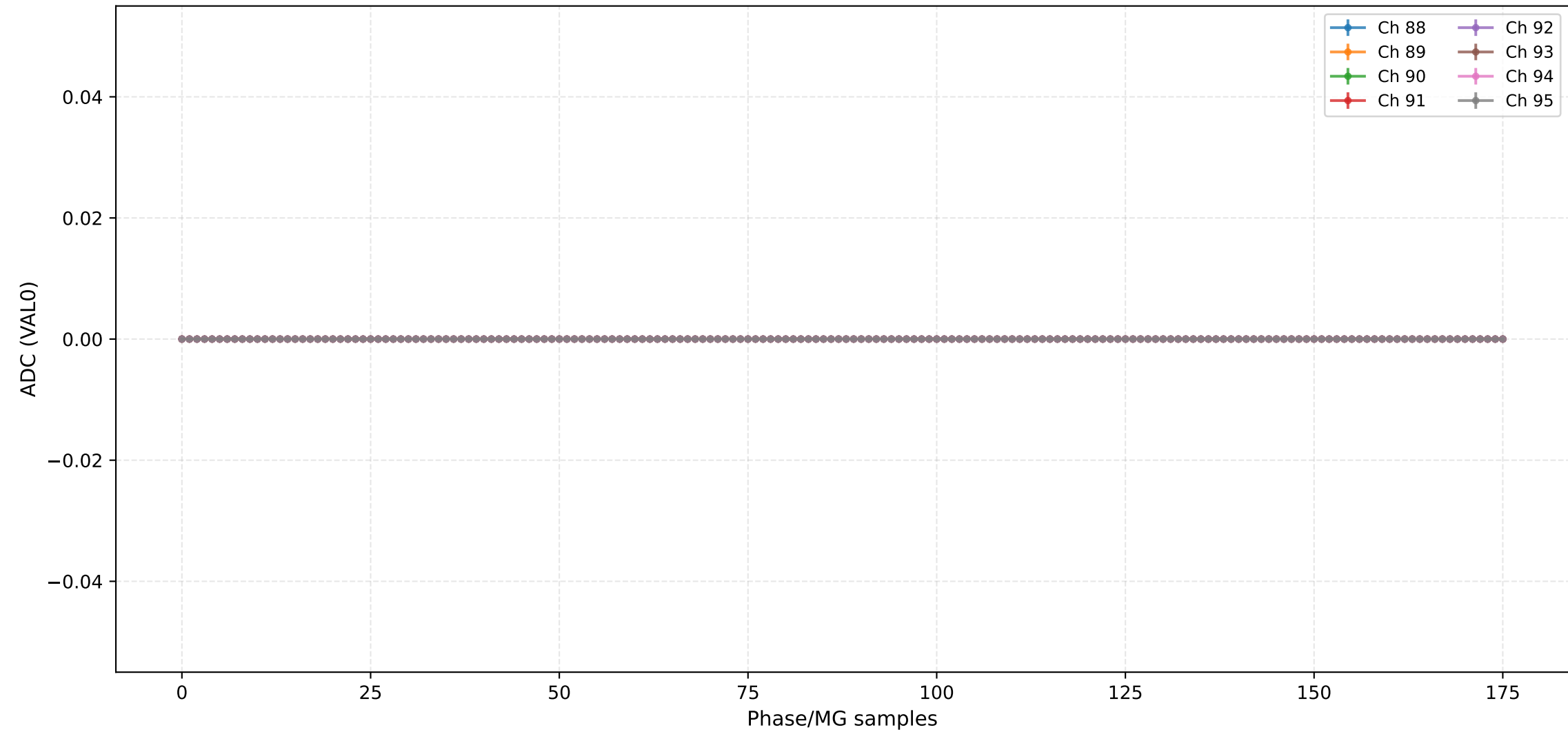




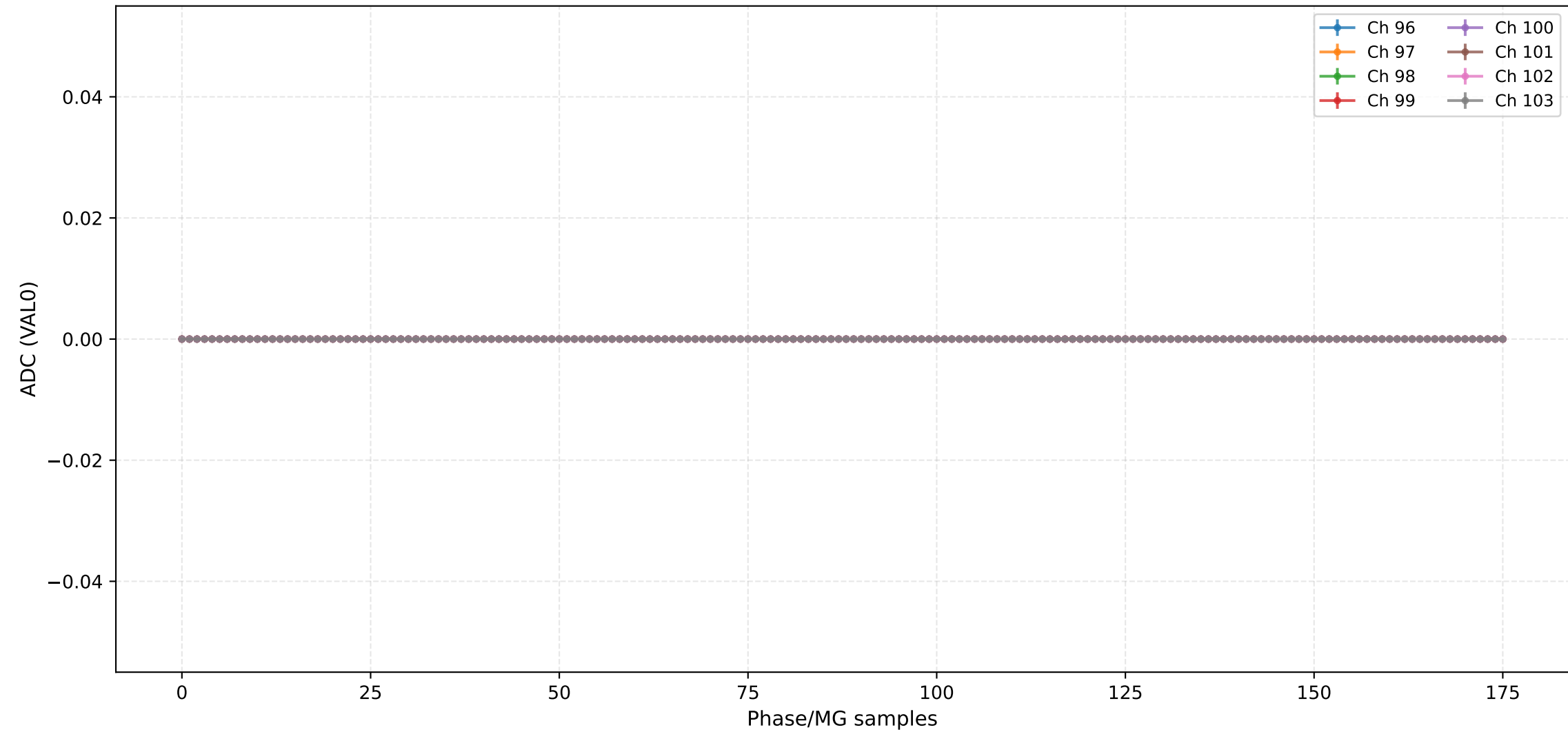
## ADC (VAL0) - Channels 80 to 87



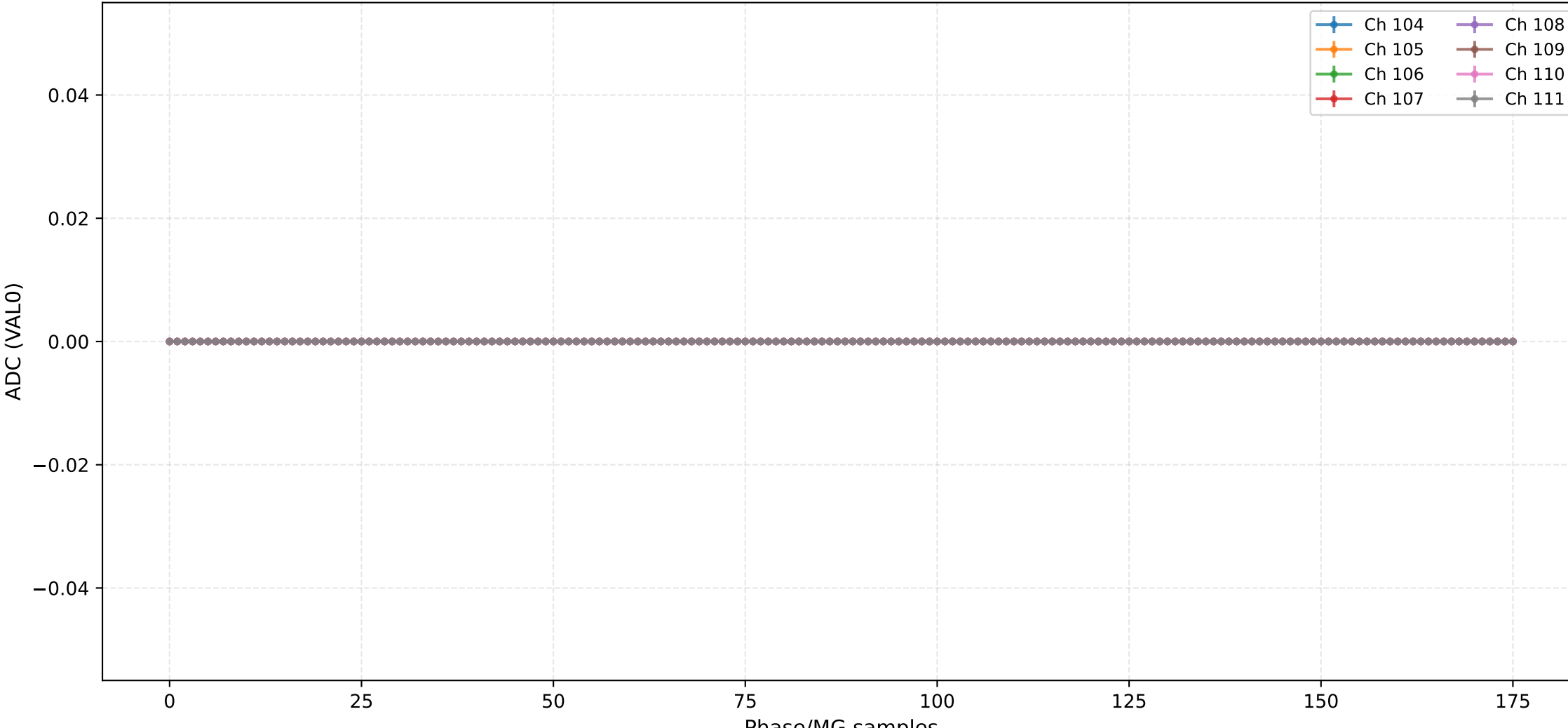
### ADC (VAL0) - Channels 88 to 95



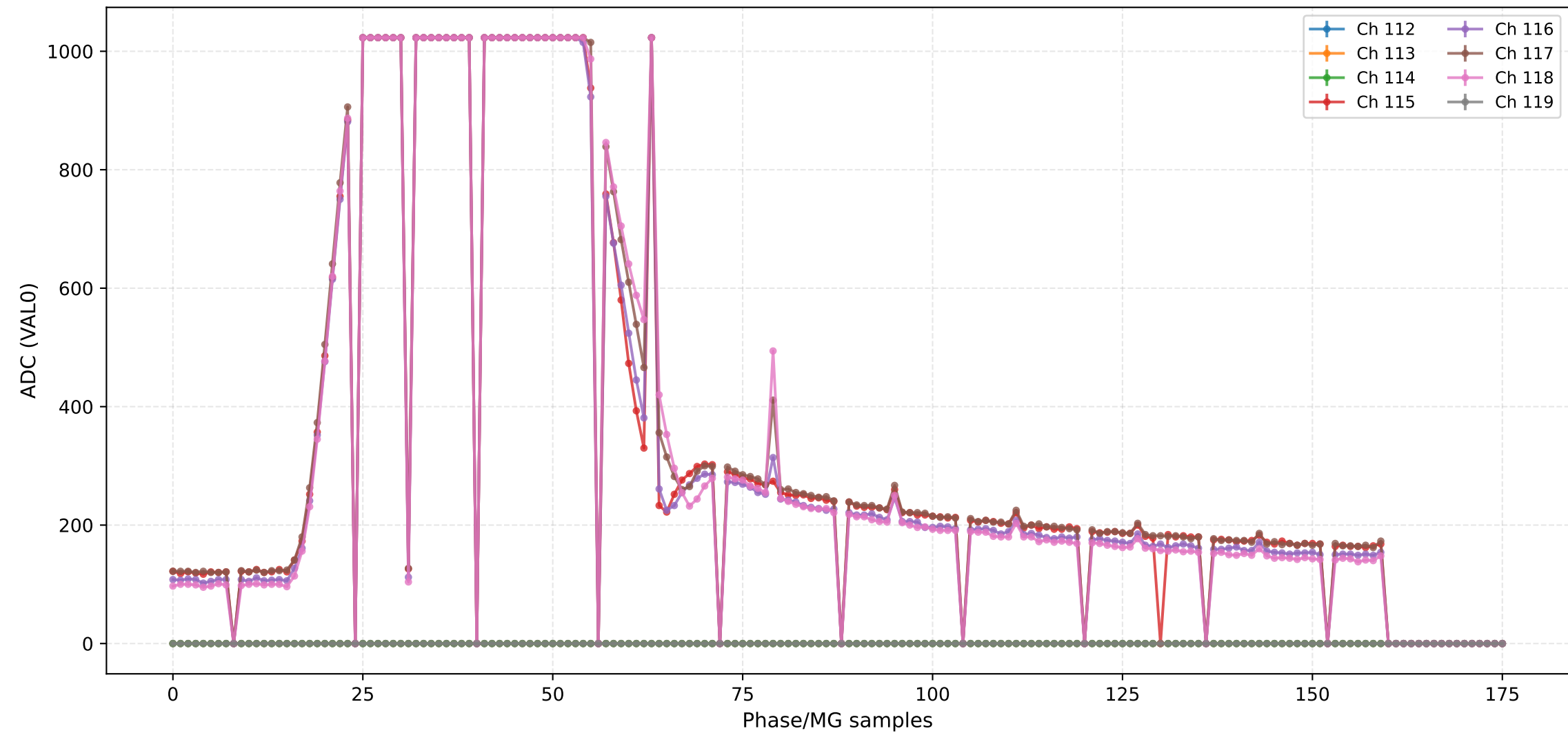
## ADC (VAL0) - Channels 96 to 103



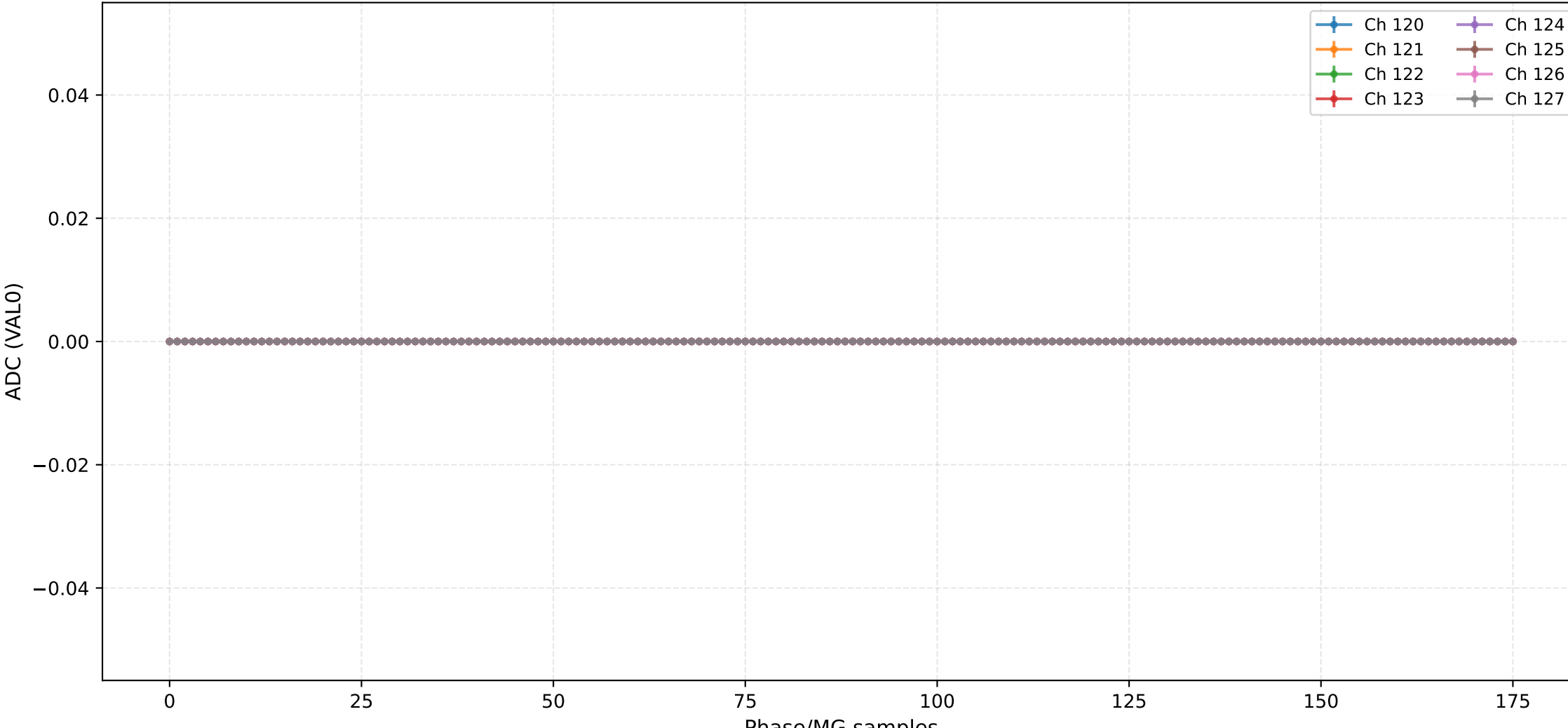
## ADC (VAL0) - Channels 104 to 111



## ADC (VAL0) - Channels 112 to 119

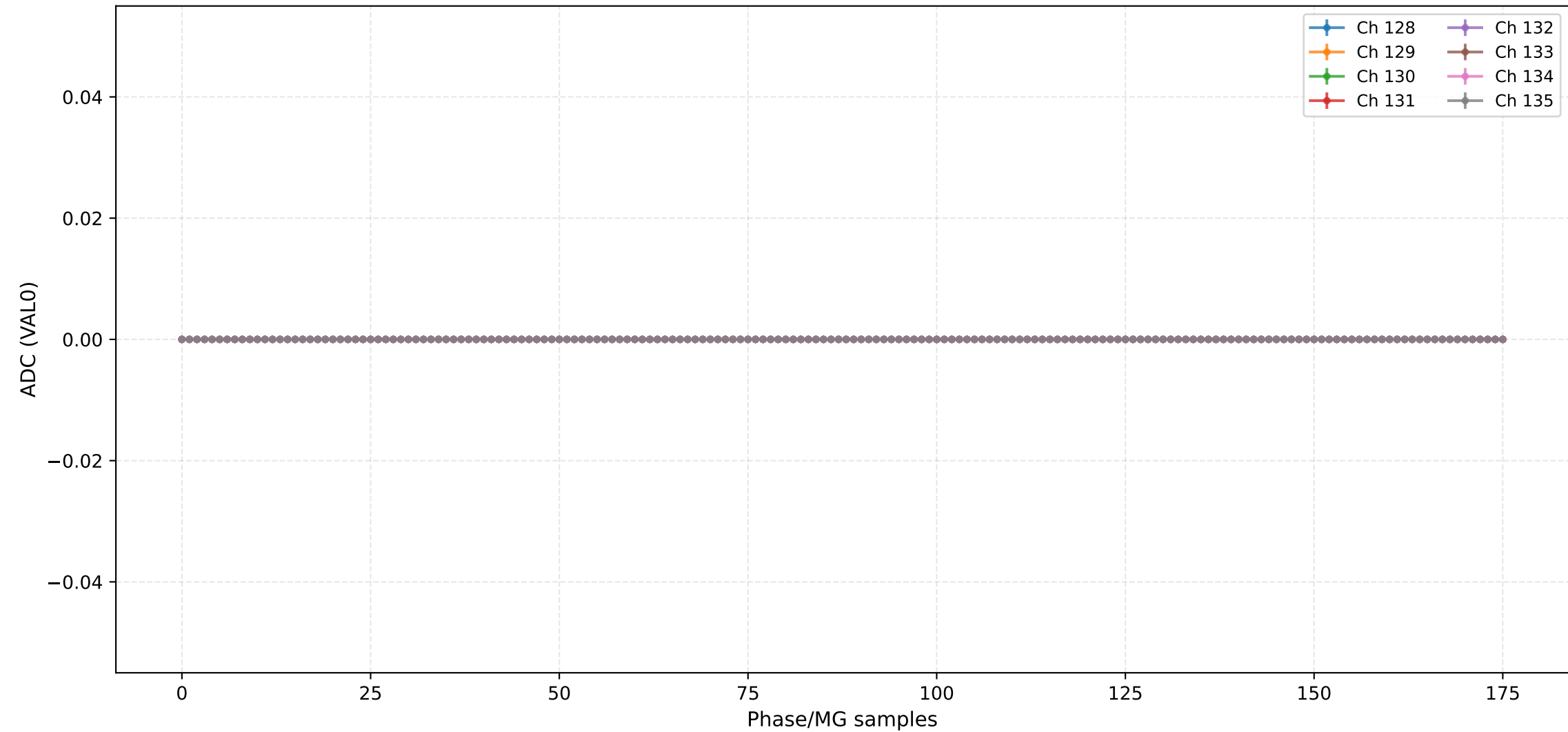


## ADC (VAL0) - Channels 120 to 127

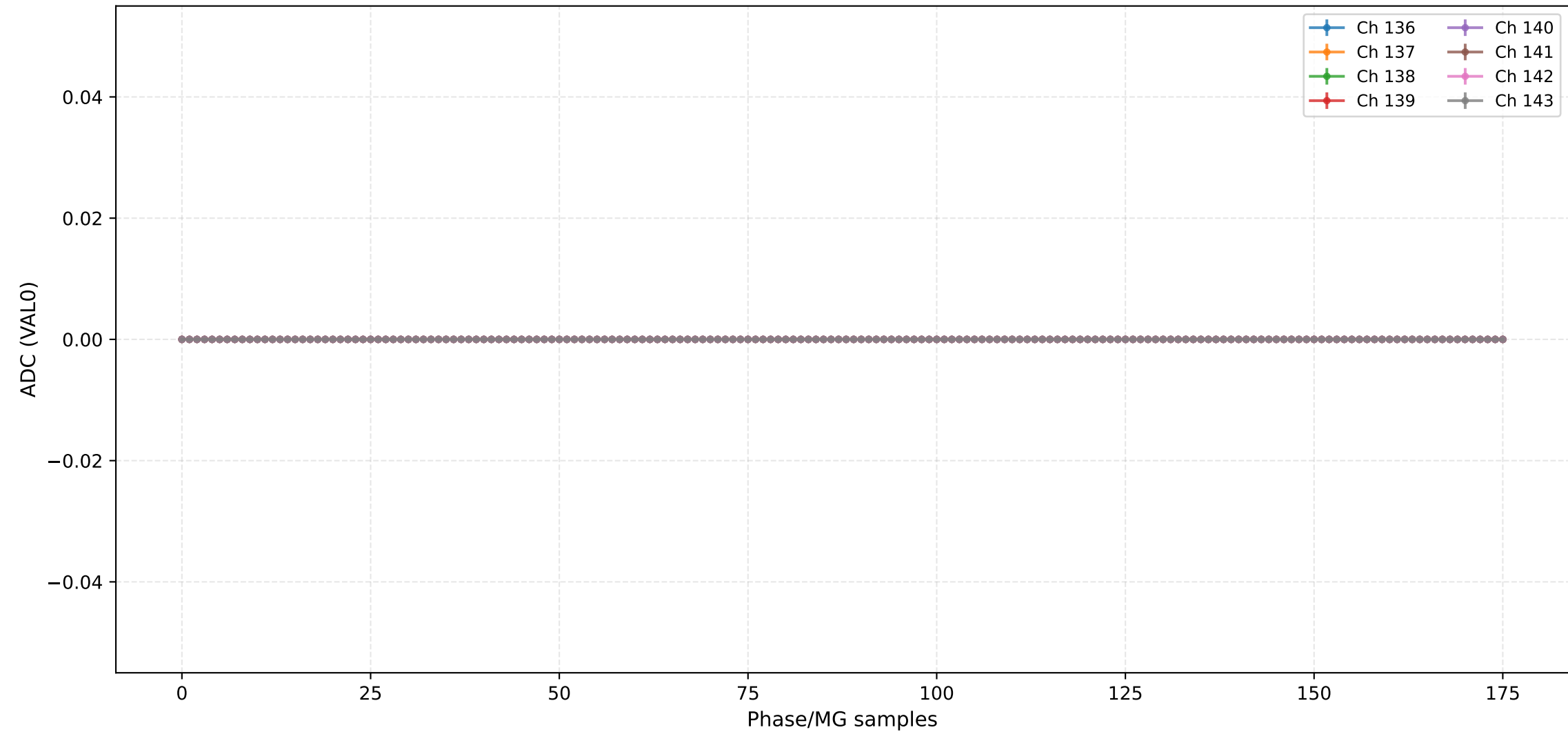




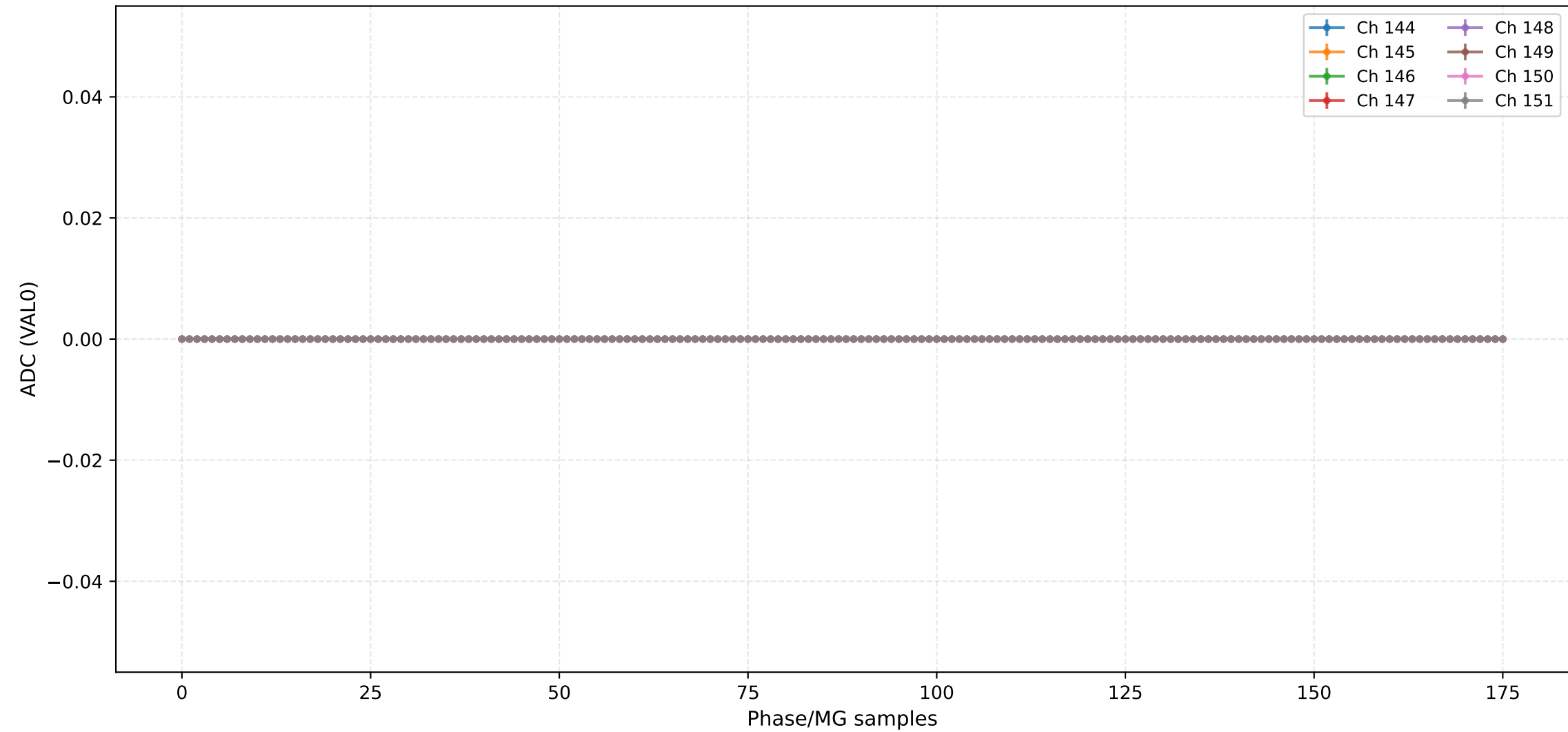
### ADC (VAL0) - Channels 128 to 135



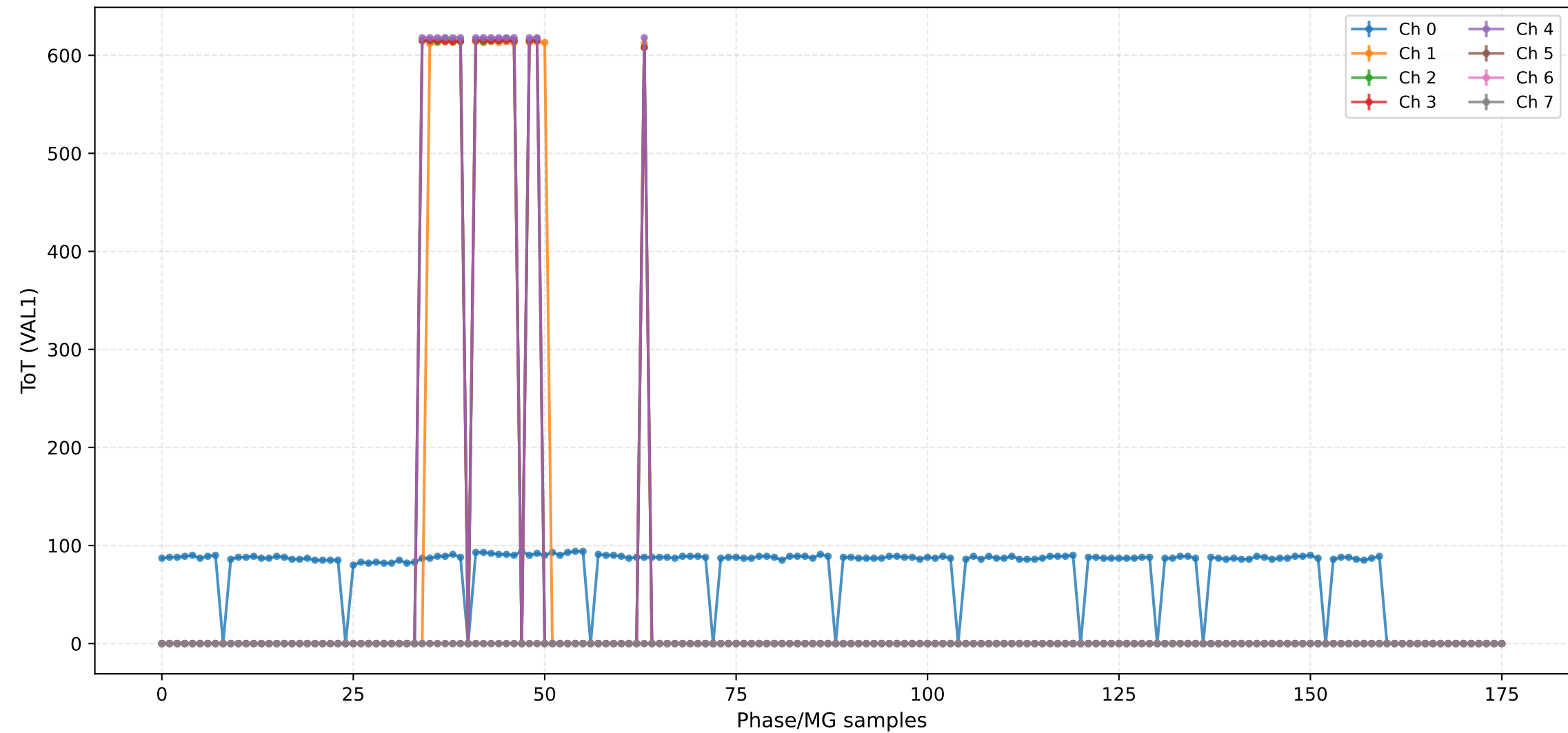
### ADC (VAL0) - Channels 136 to 143



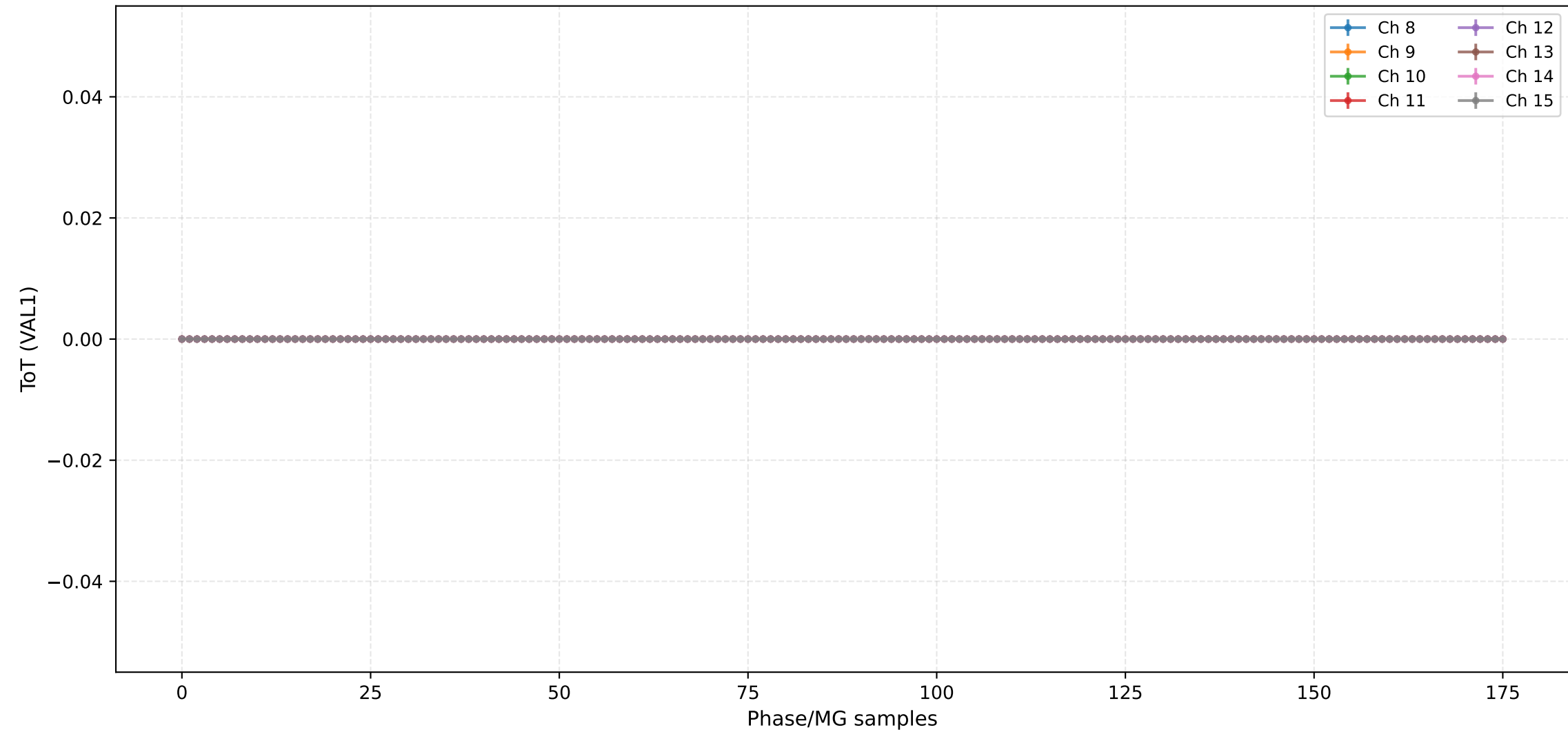
### ADC (VAL0) - Channels 144 to 151



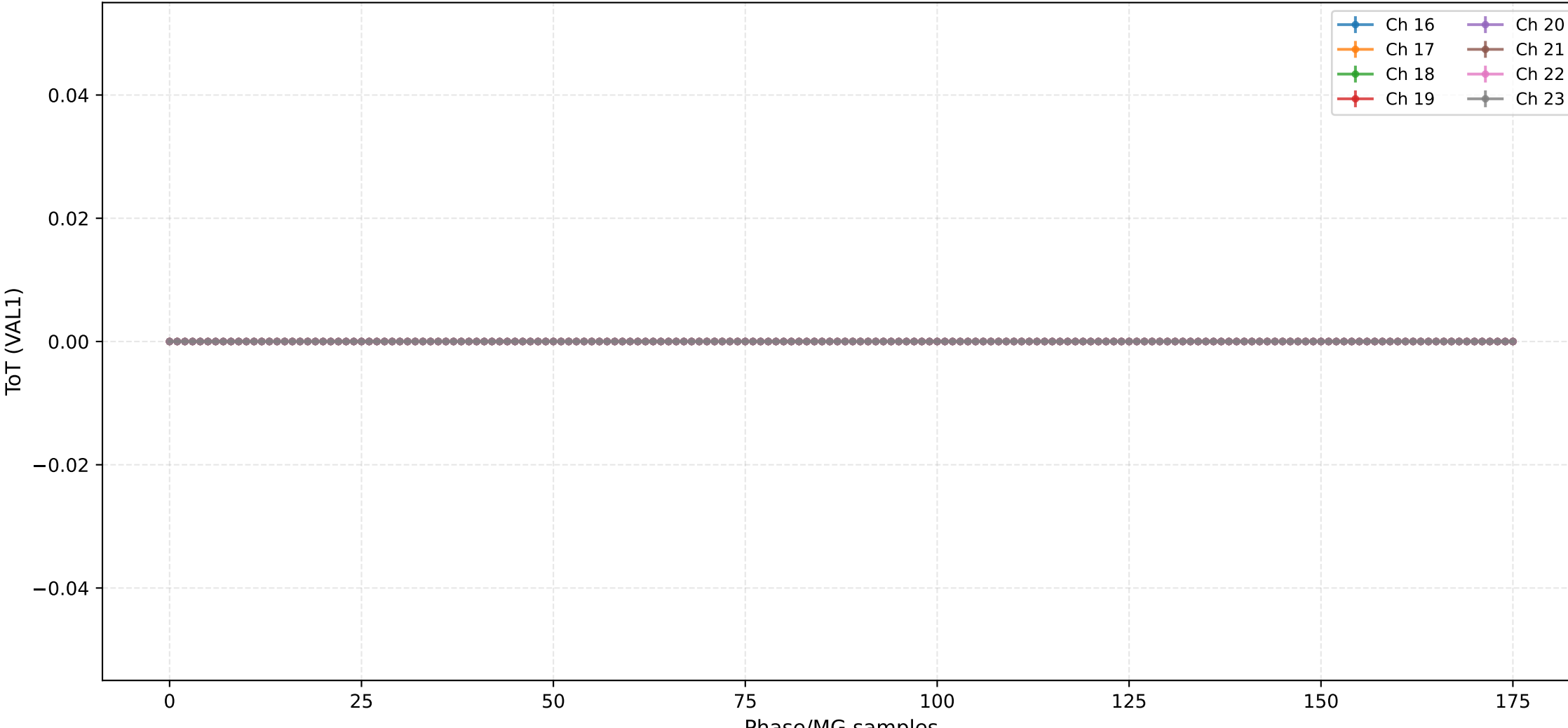
ToT (VAL1) - Channels 0 to 7



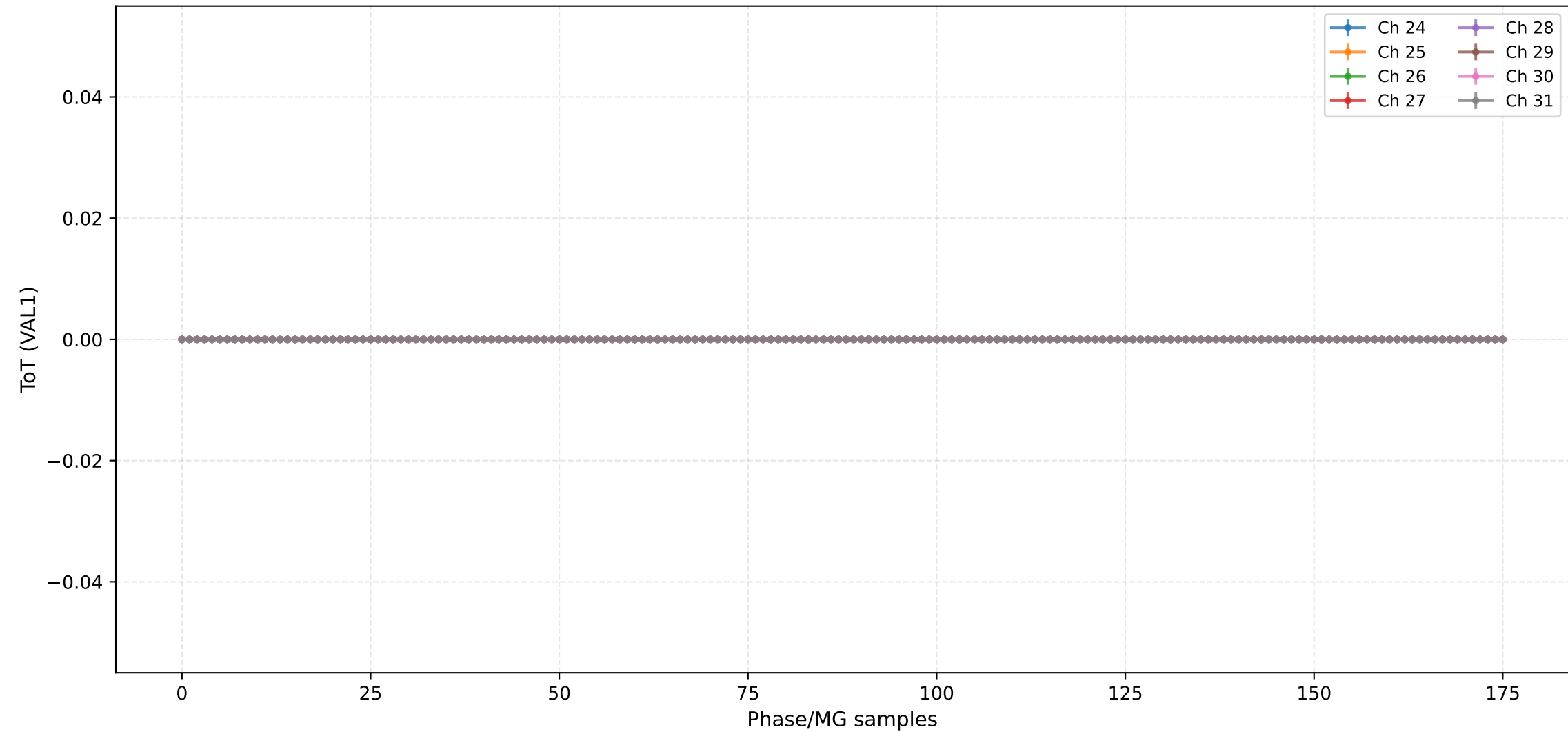
ToT (VAL1) - Channels 8 to 15



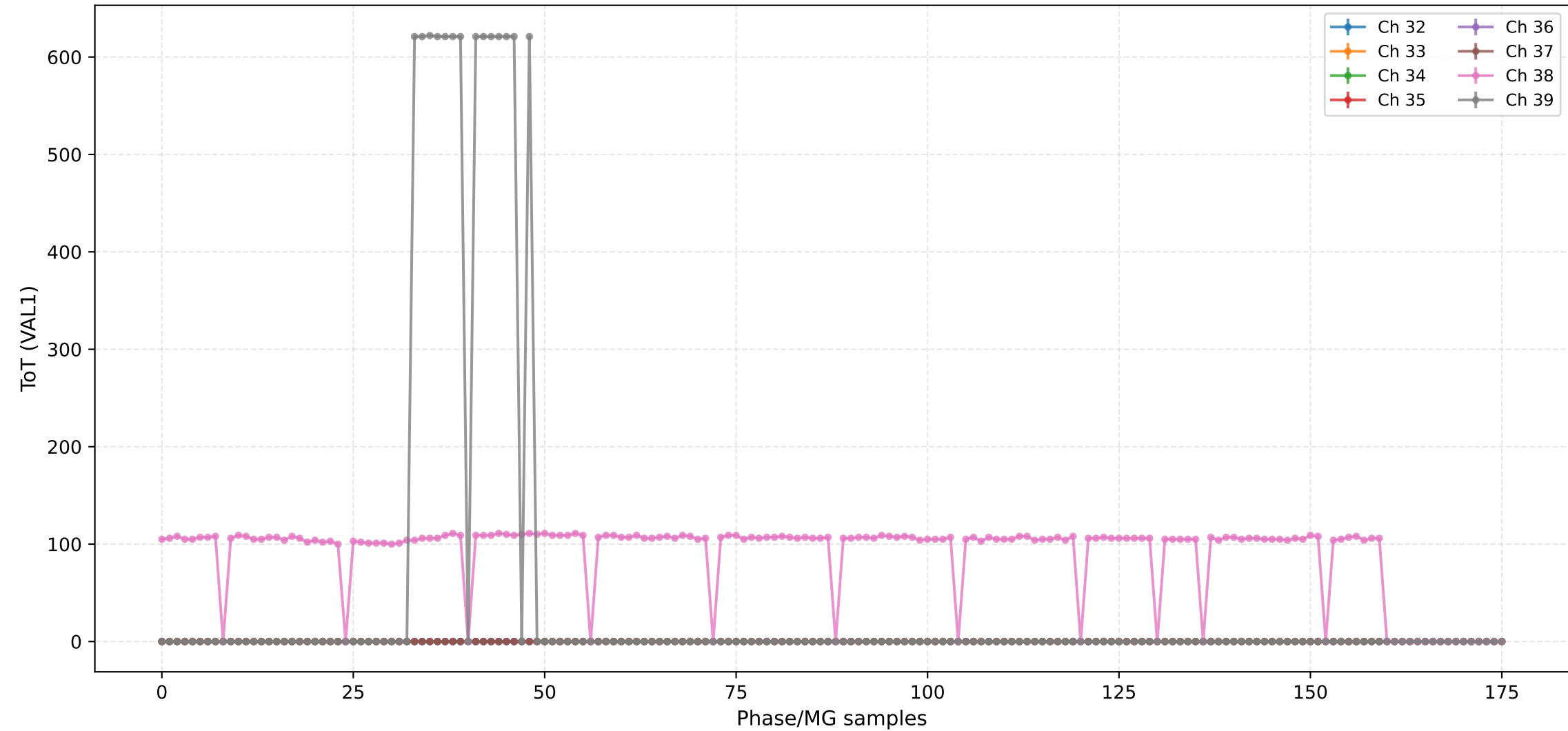
## ToT (VAL1) - Channels 16 to 23



### ToT (VAL1) - Channels 24 to 31

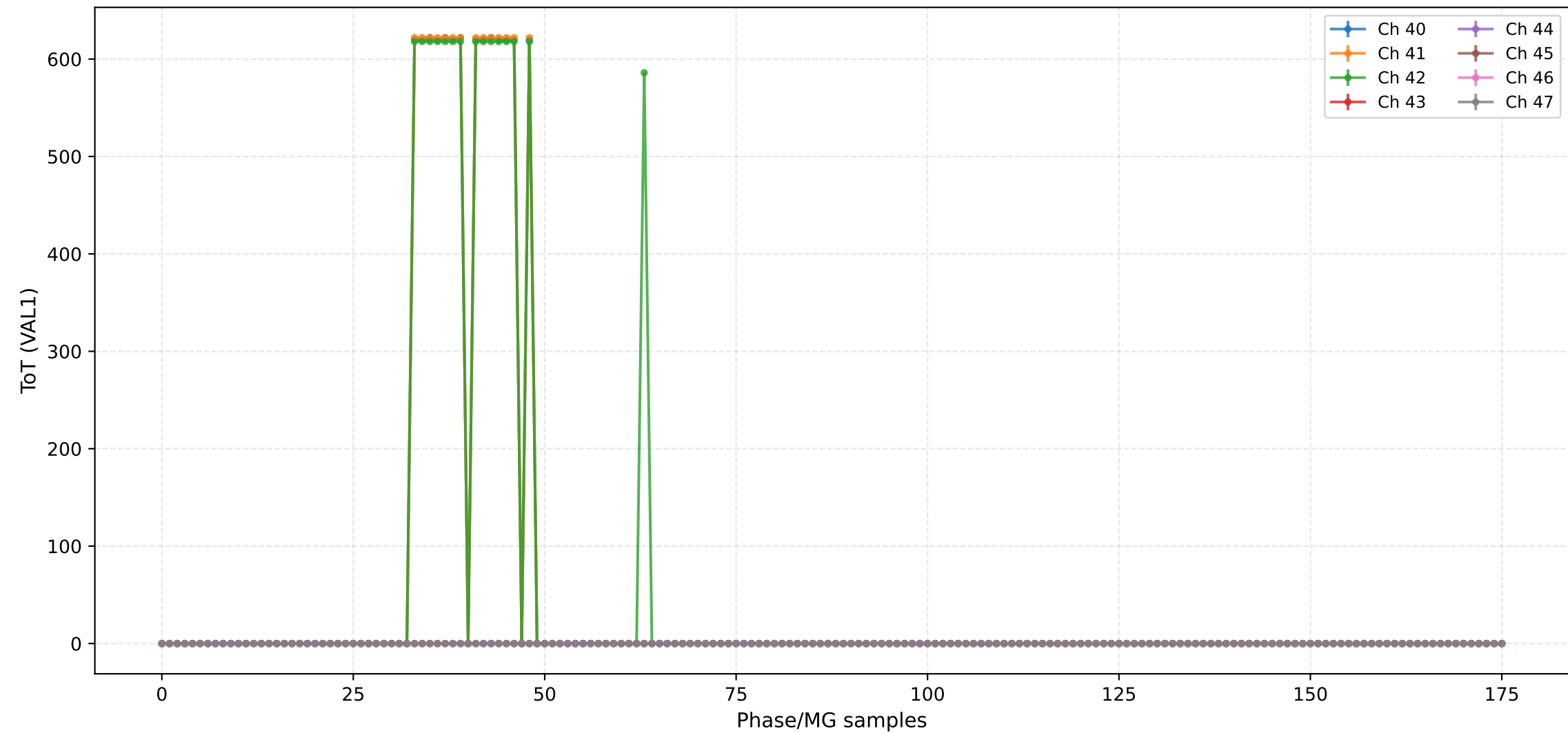


ToT (VAL1) - Channels 32 to 39

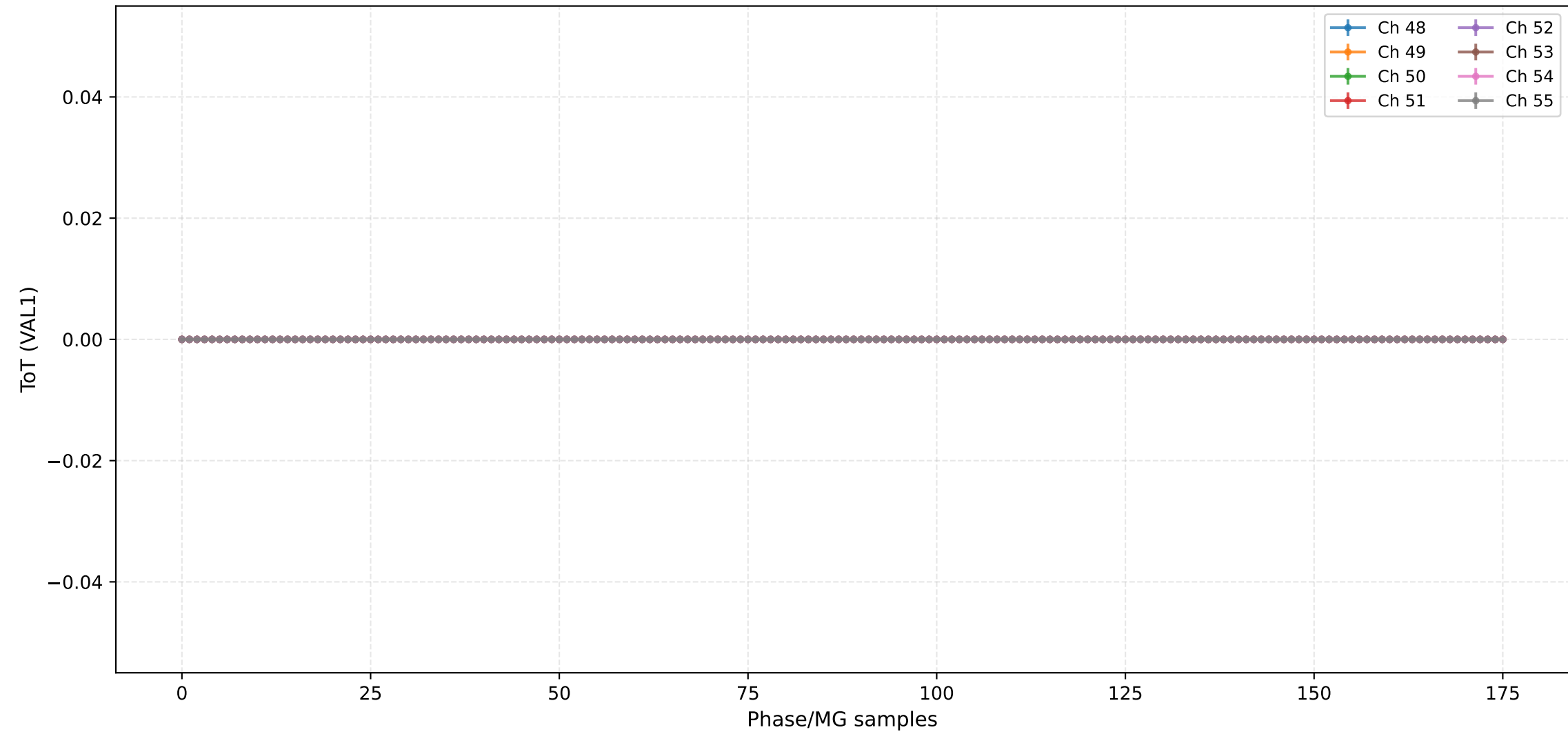




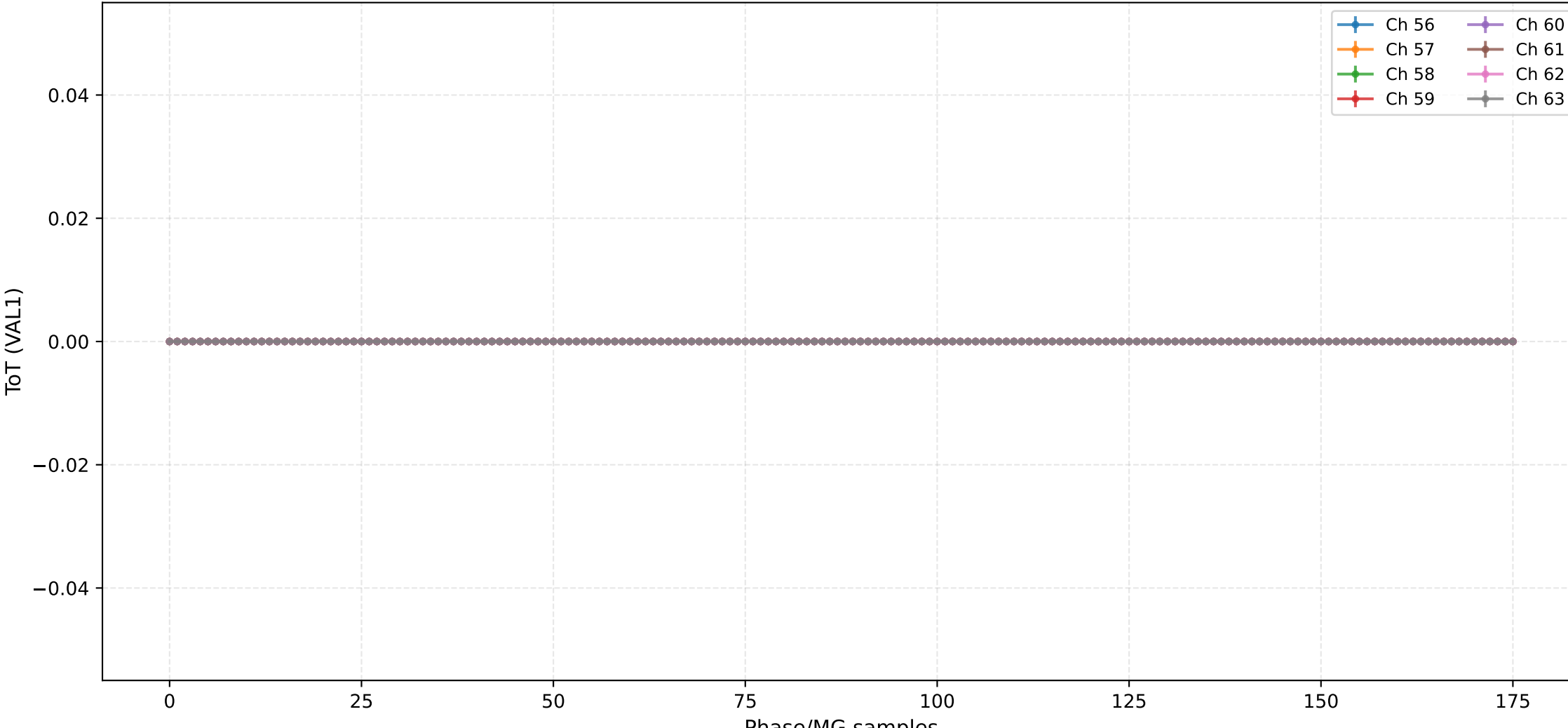
## ToT (VAL1) - Channels 40 to 47



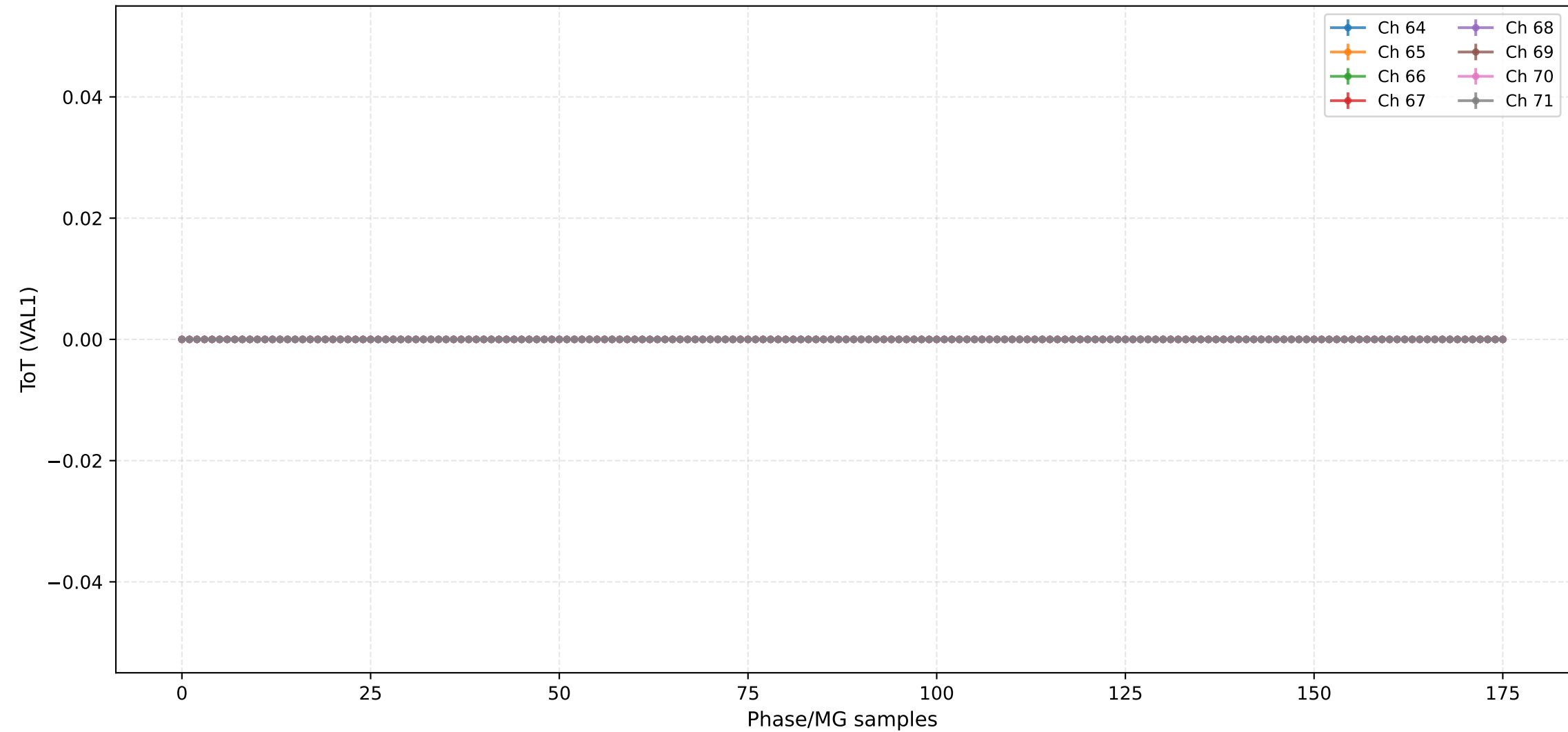
ToT (VAL1) - Channels 48 to 55



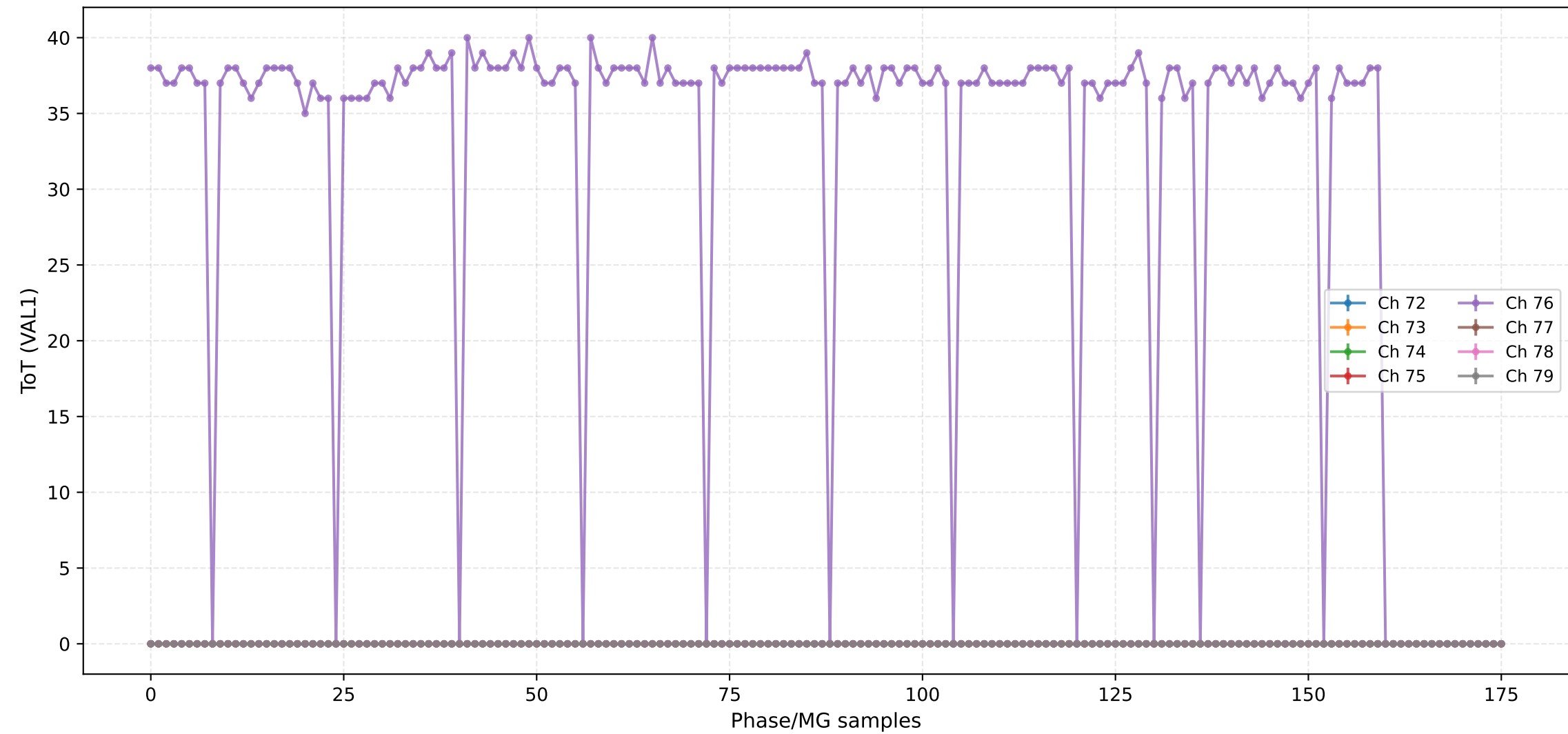
## ToT (VAL1) - Channels 56 to 63



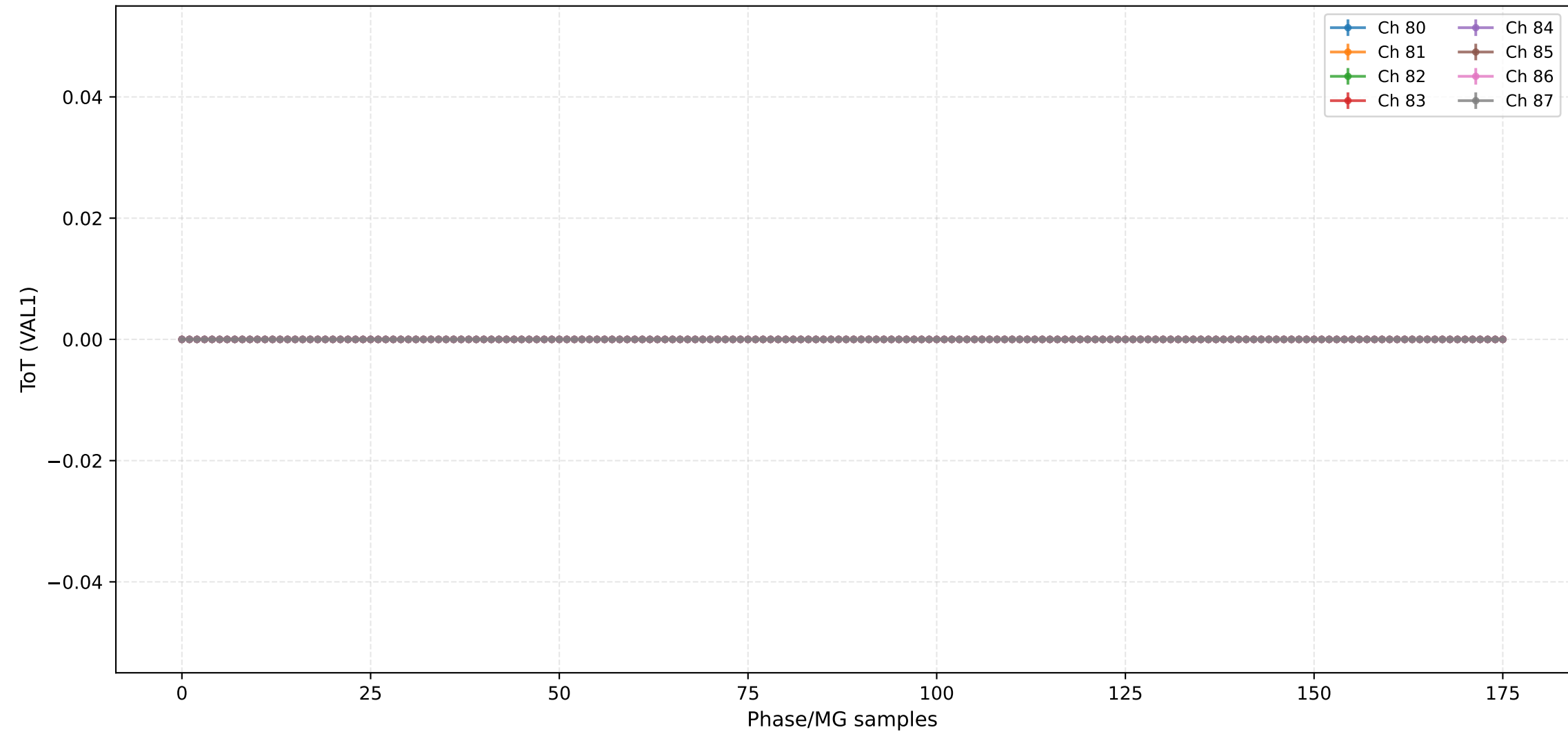
ToT (VAL1) - Channels 64 to 71



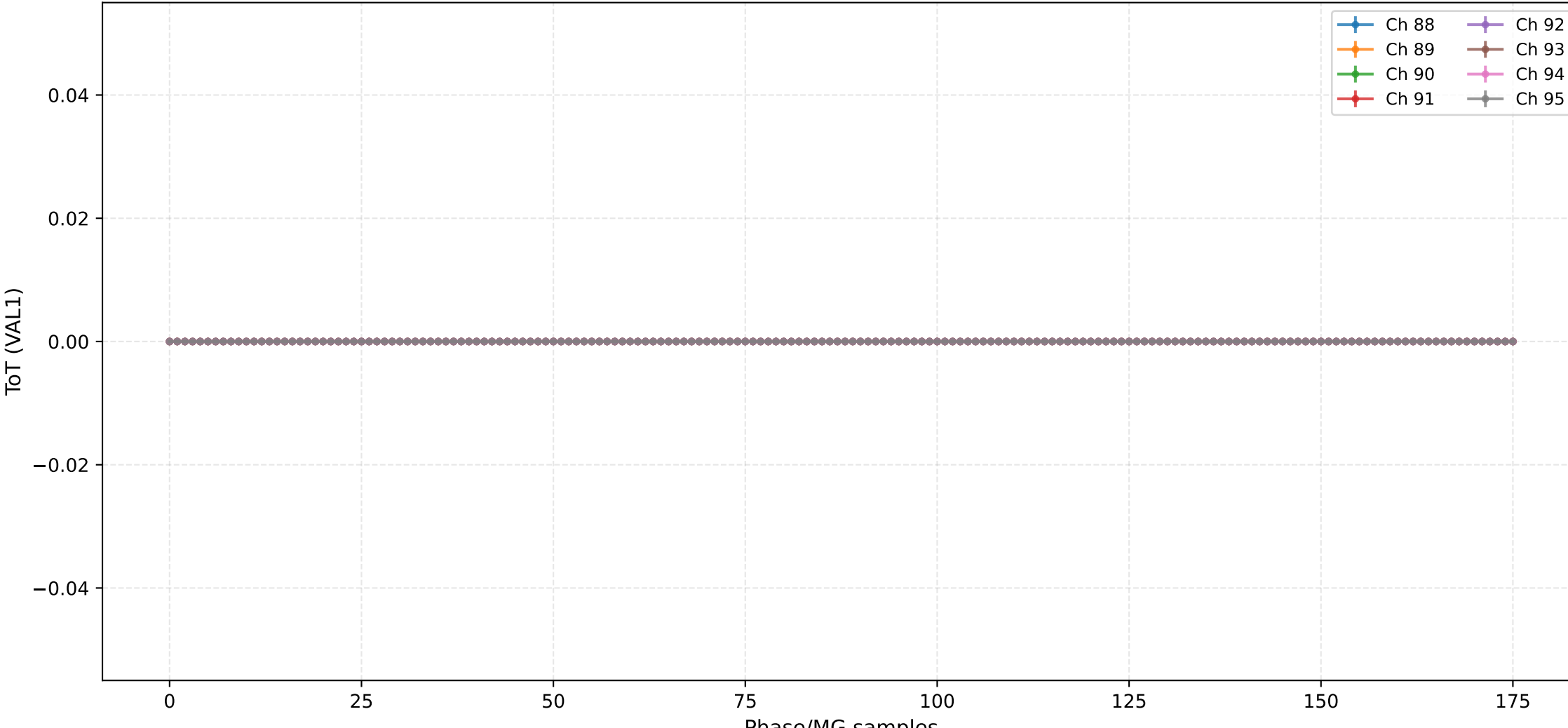
ToT (VAL1) - Channels 72 to 79



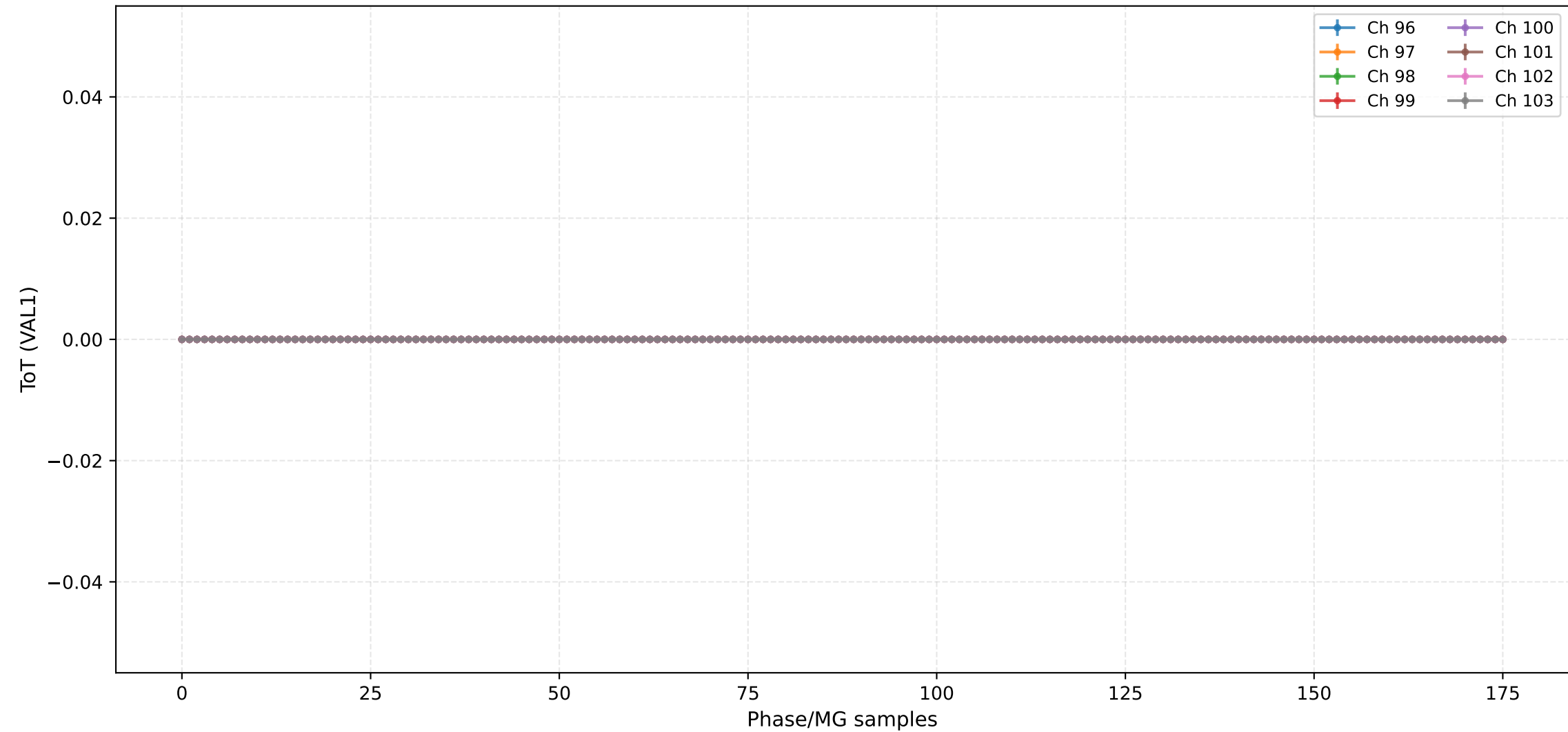
### ToT (VAL1) - Channels 80 to 87



## ToT (VAL1) - Channels 88 to 95

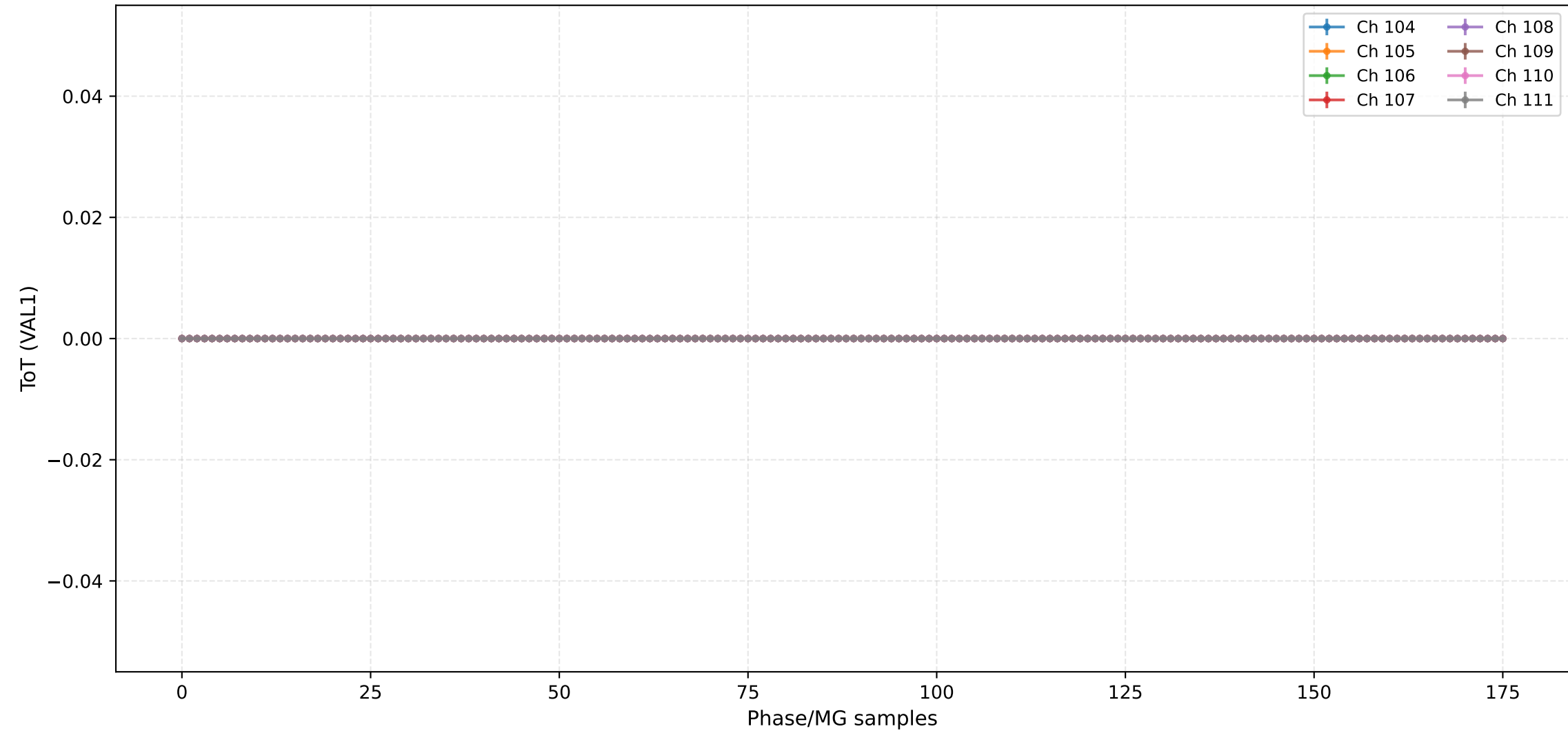


ToT (VAL1) - Channels 96 to 103

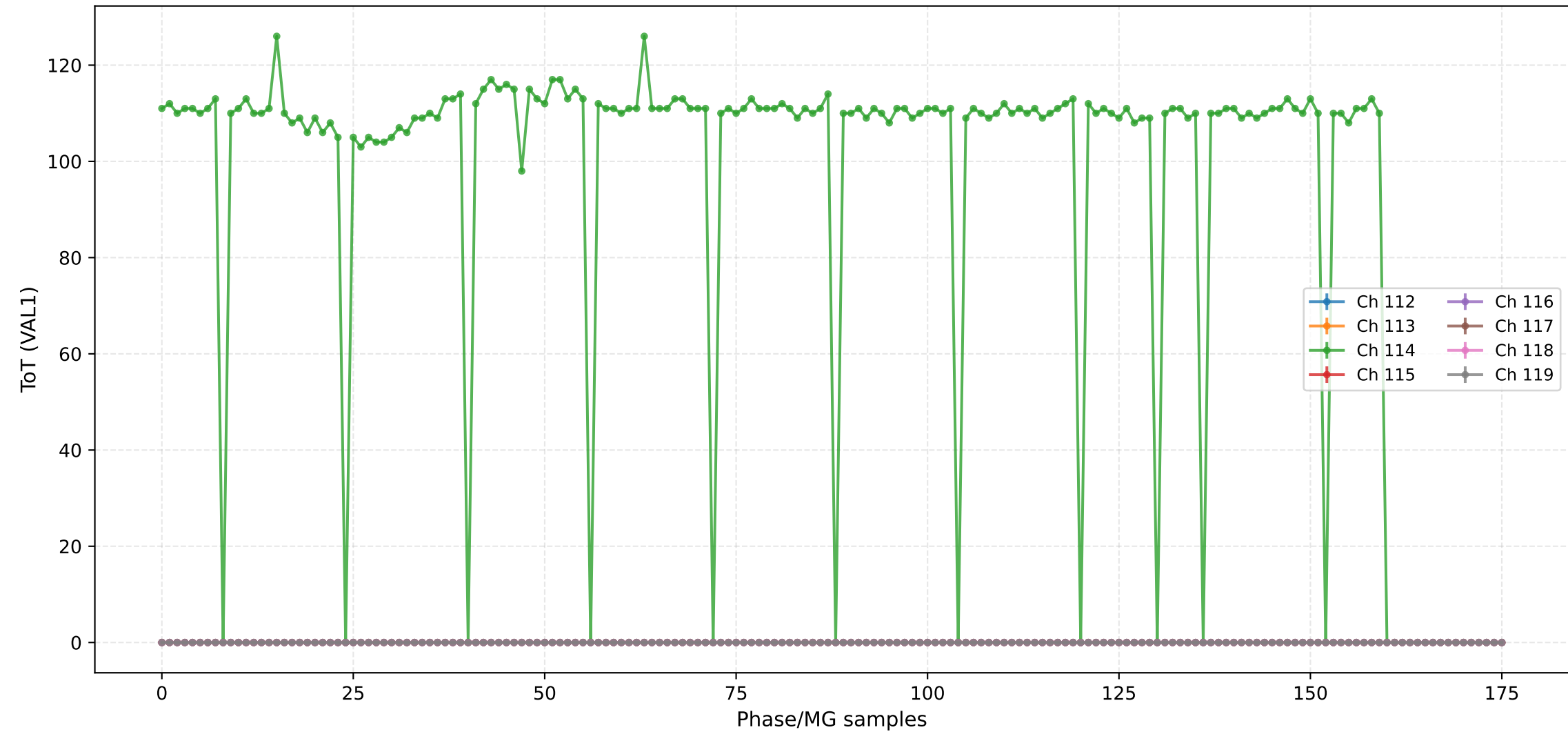




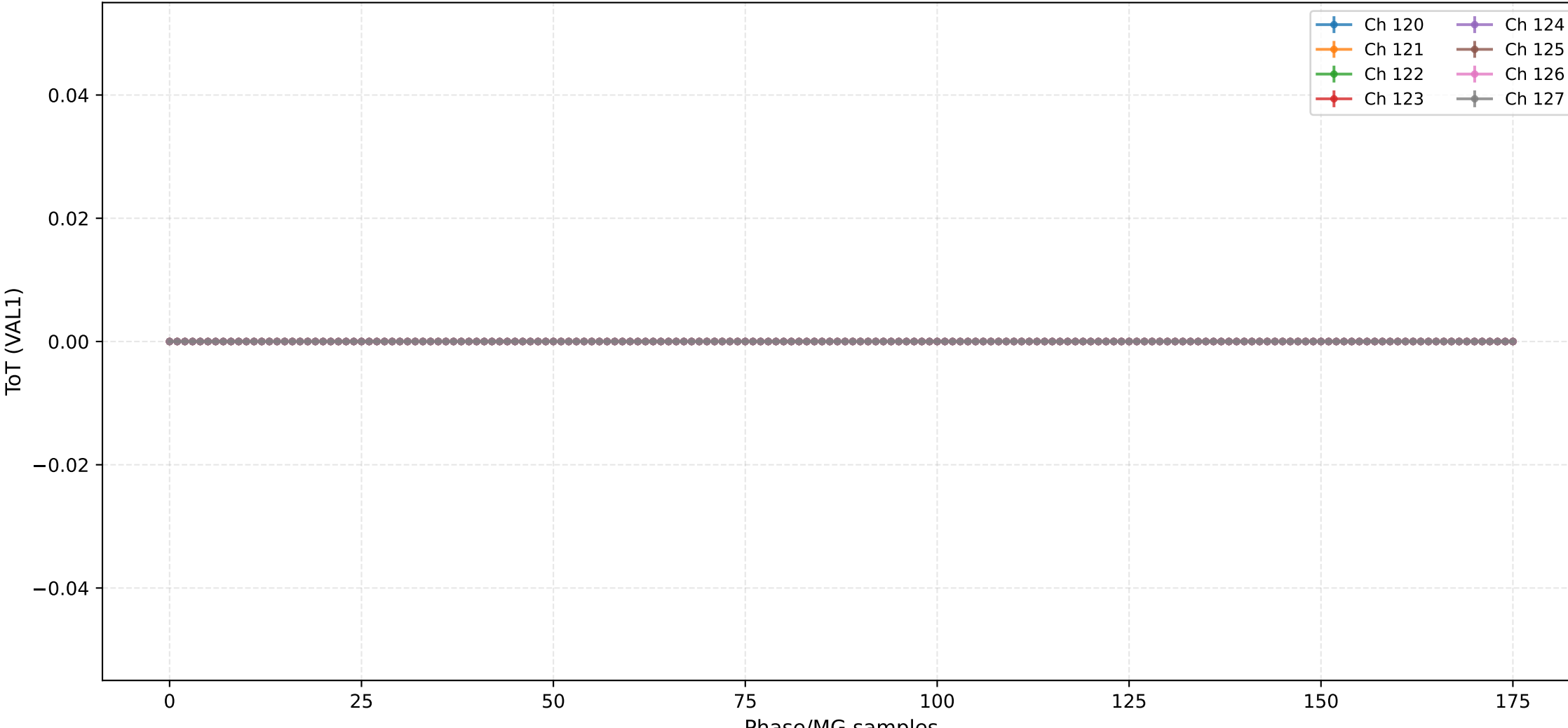
### ToT (VAL1) - Channels 104 to 111



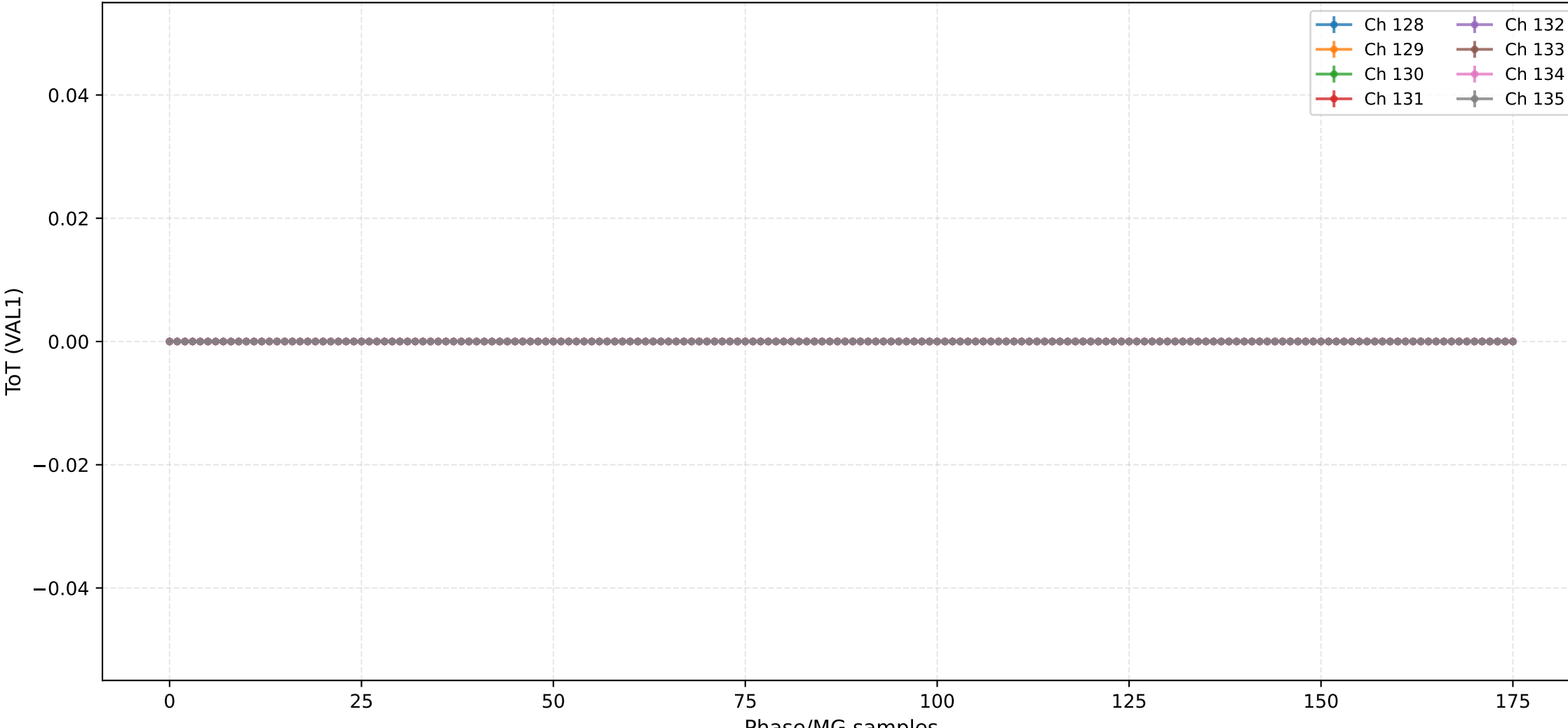
ToT (VAL1) - Channels 112 to 119



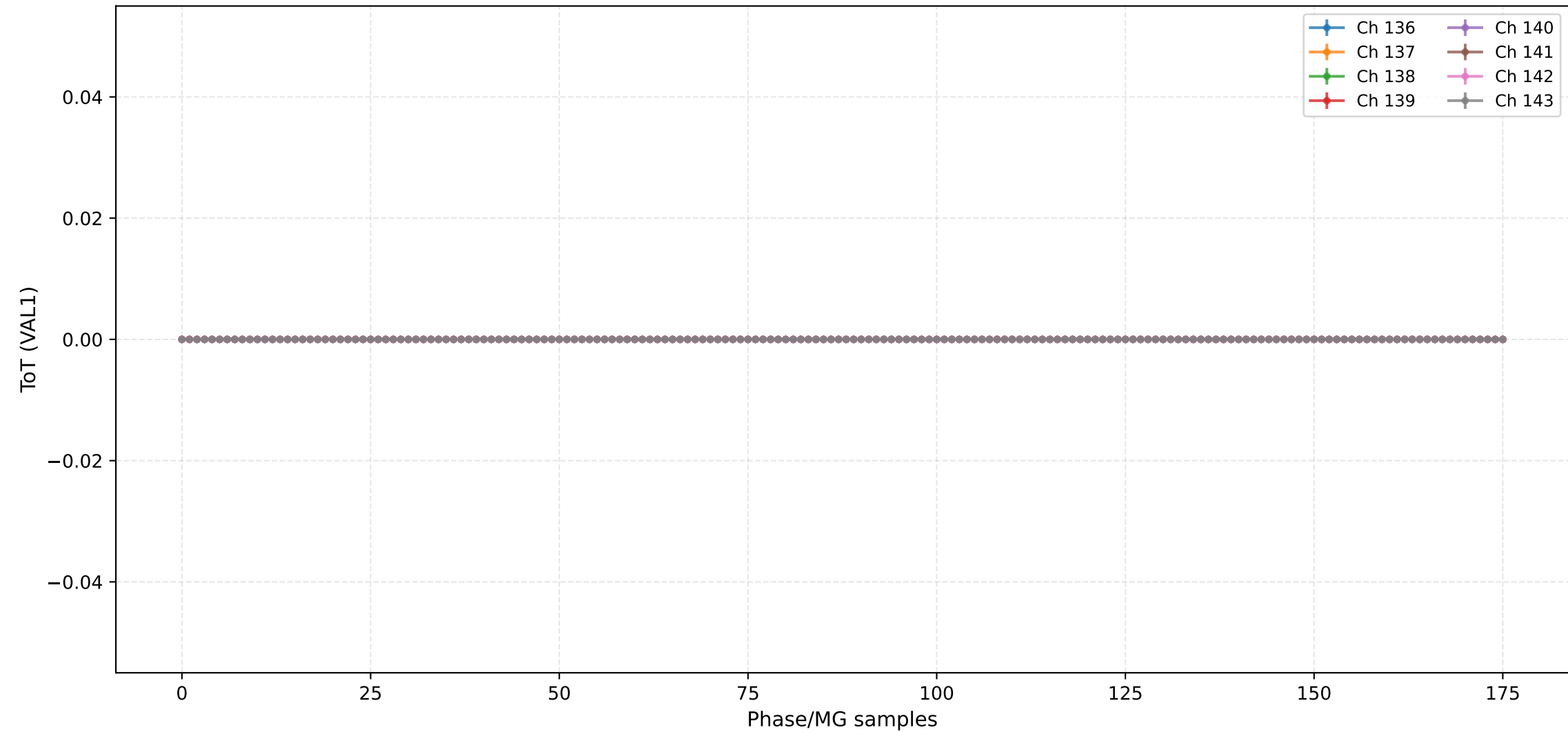
## ToT (VAL1) - Channels 120 to 127



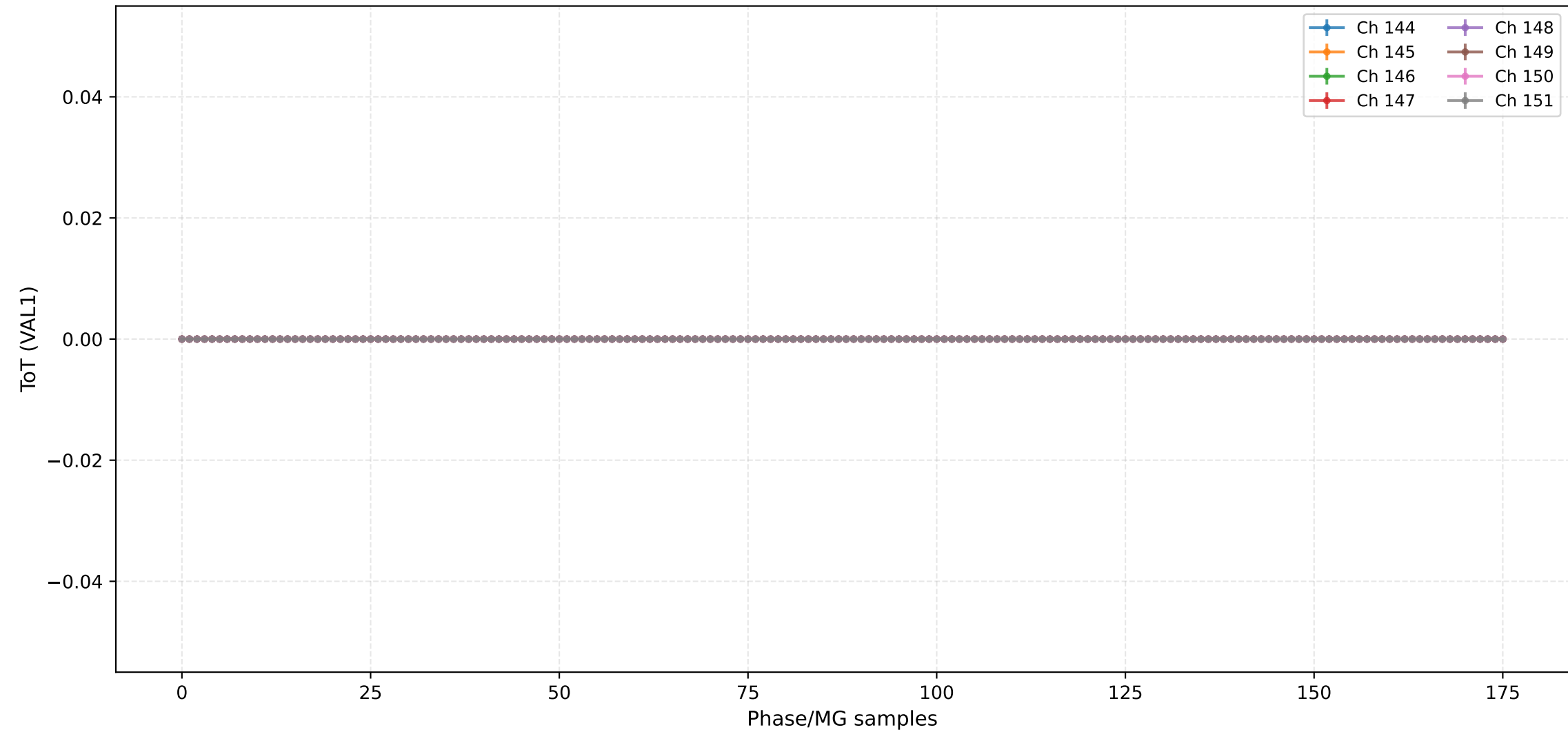
## ToT (VAL1) - Channels 128 to 135



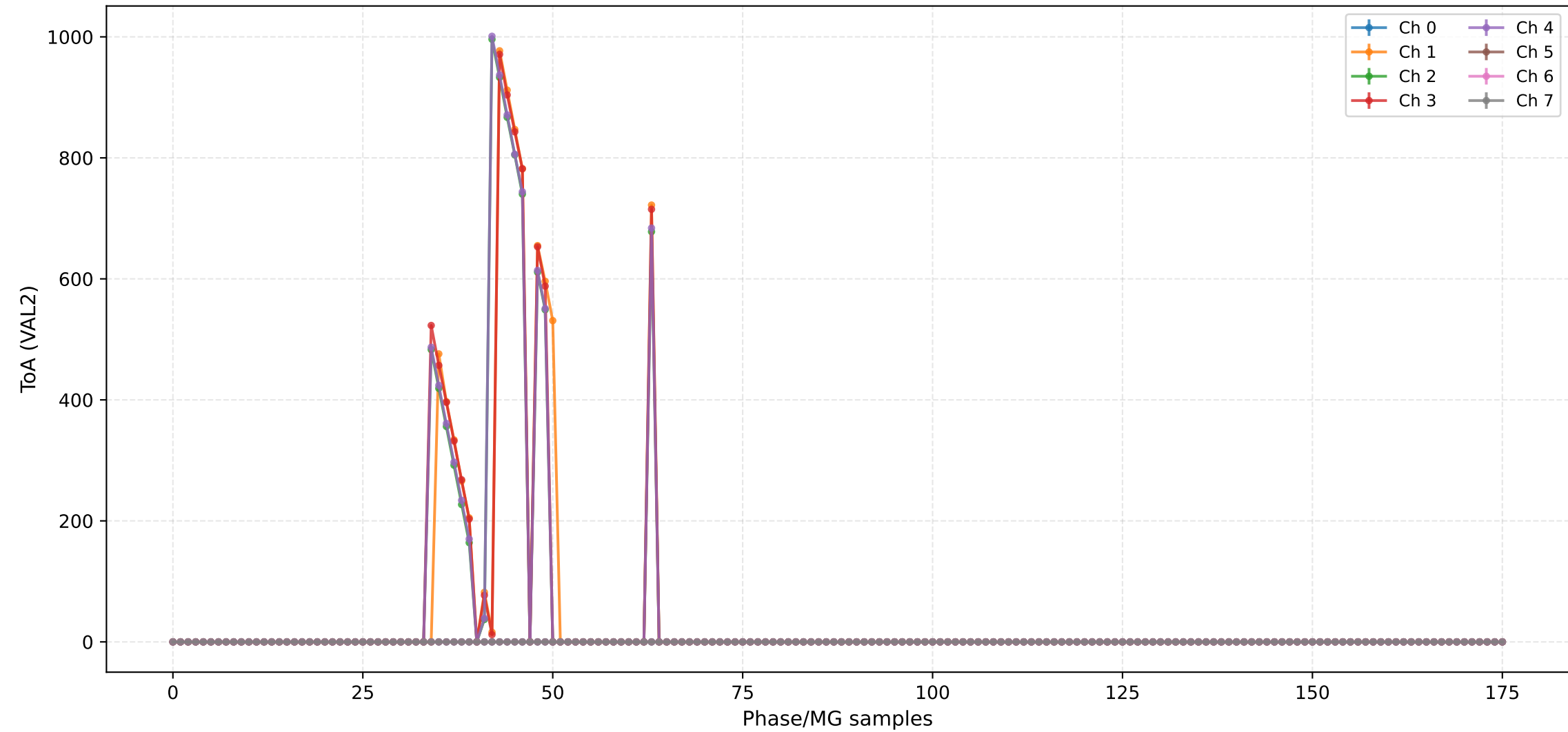
ToT (VAL1) - Channels 136 to 143



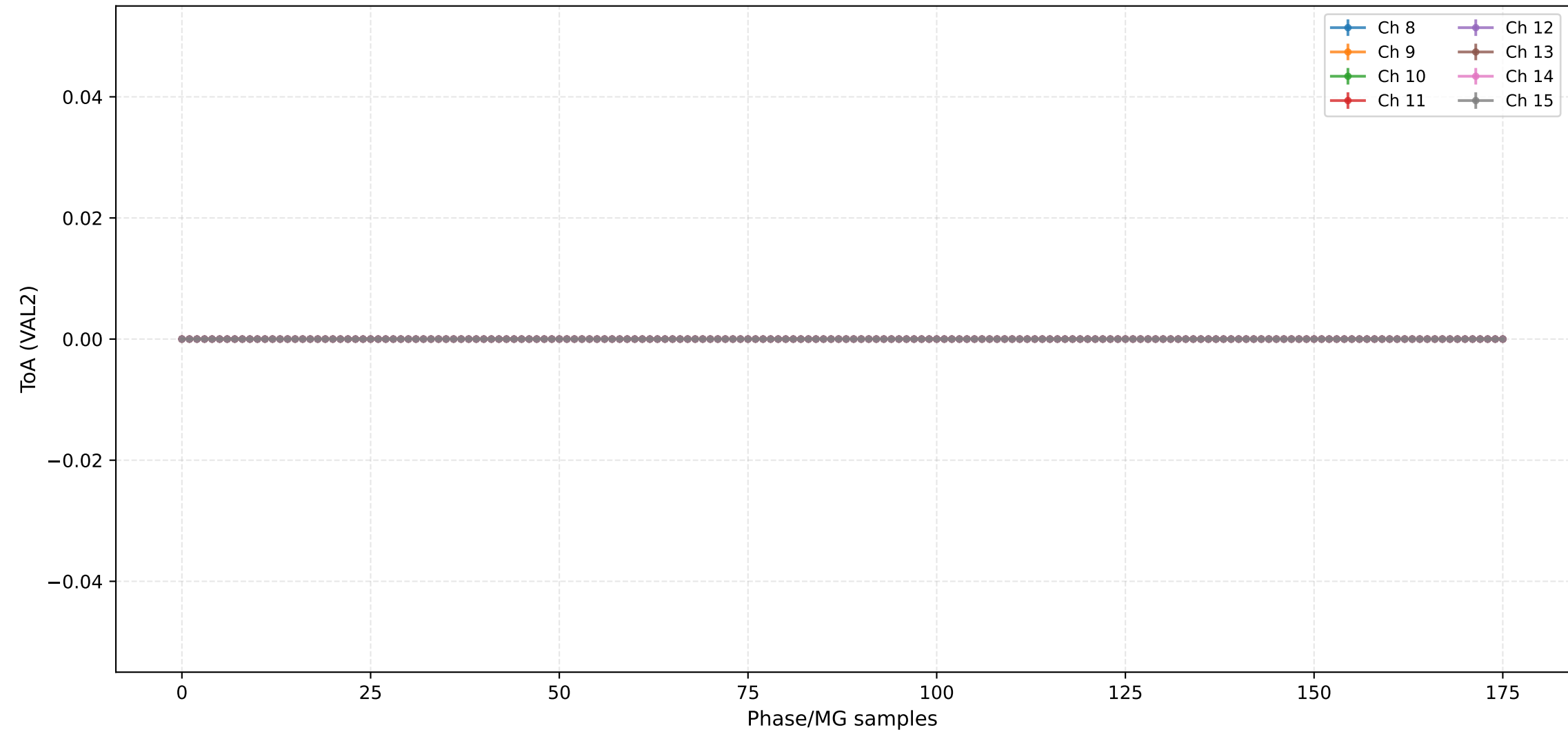
### ToT (VAL1) - Channels 144 to 151



## ToA (VAL2) - Channels 0 to 7

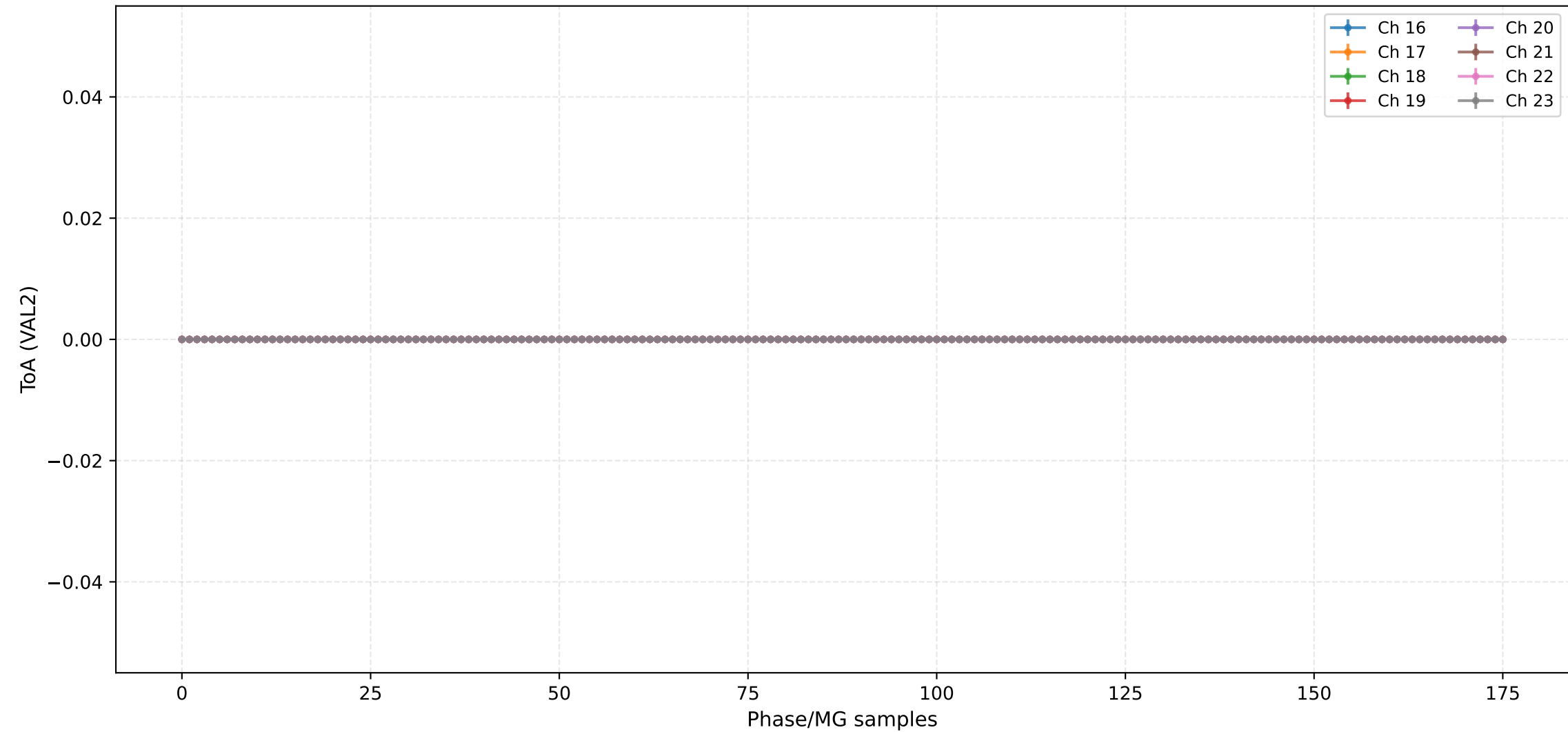


## ToA (VAL2) - Channels 8 to 15

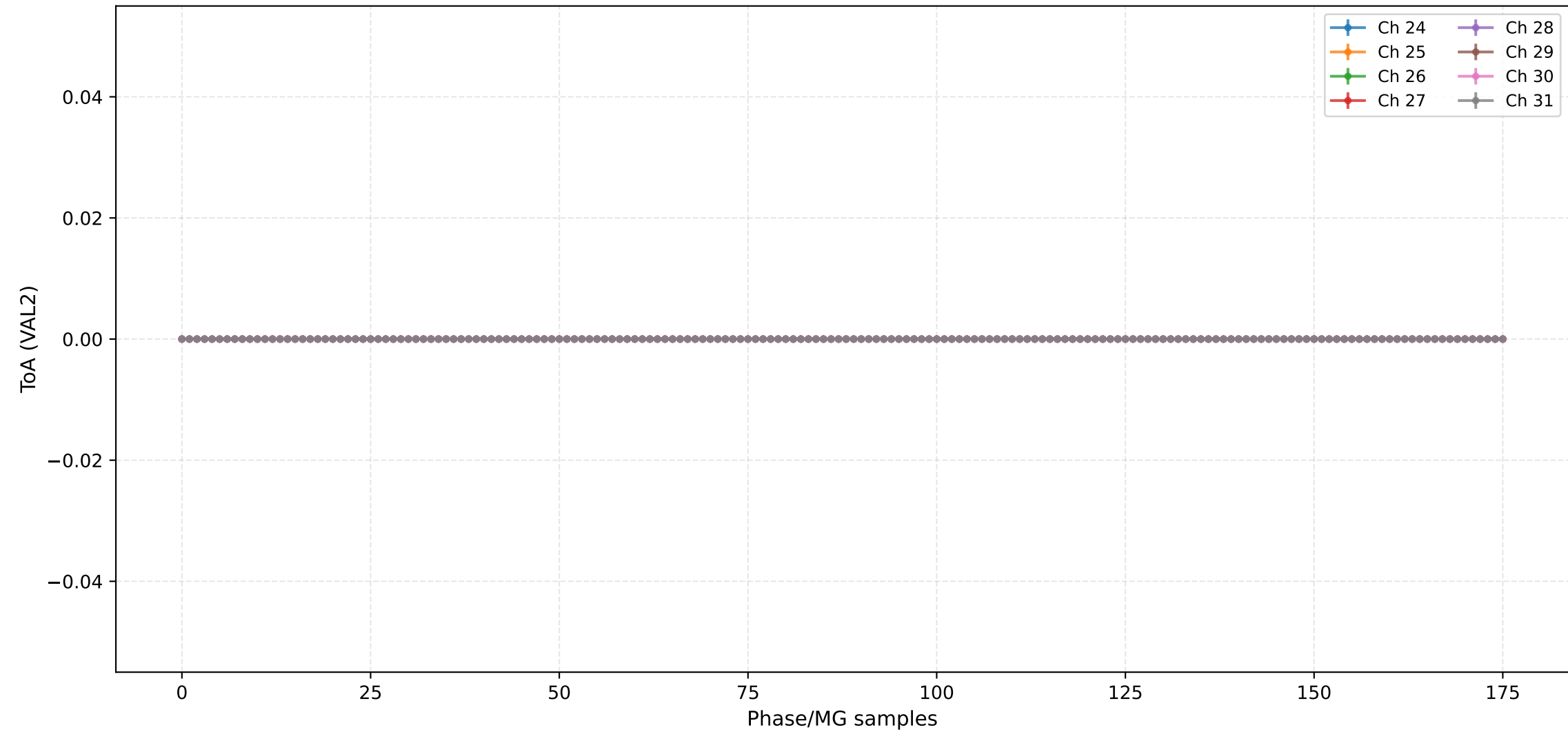




## ToA (VAL2) - Channels 16 to 23

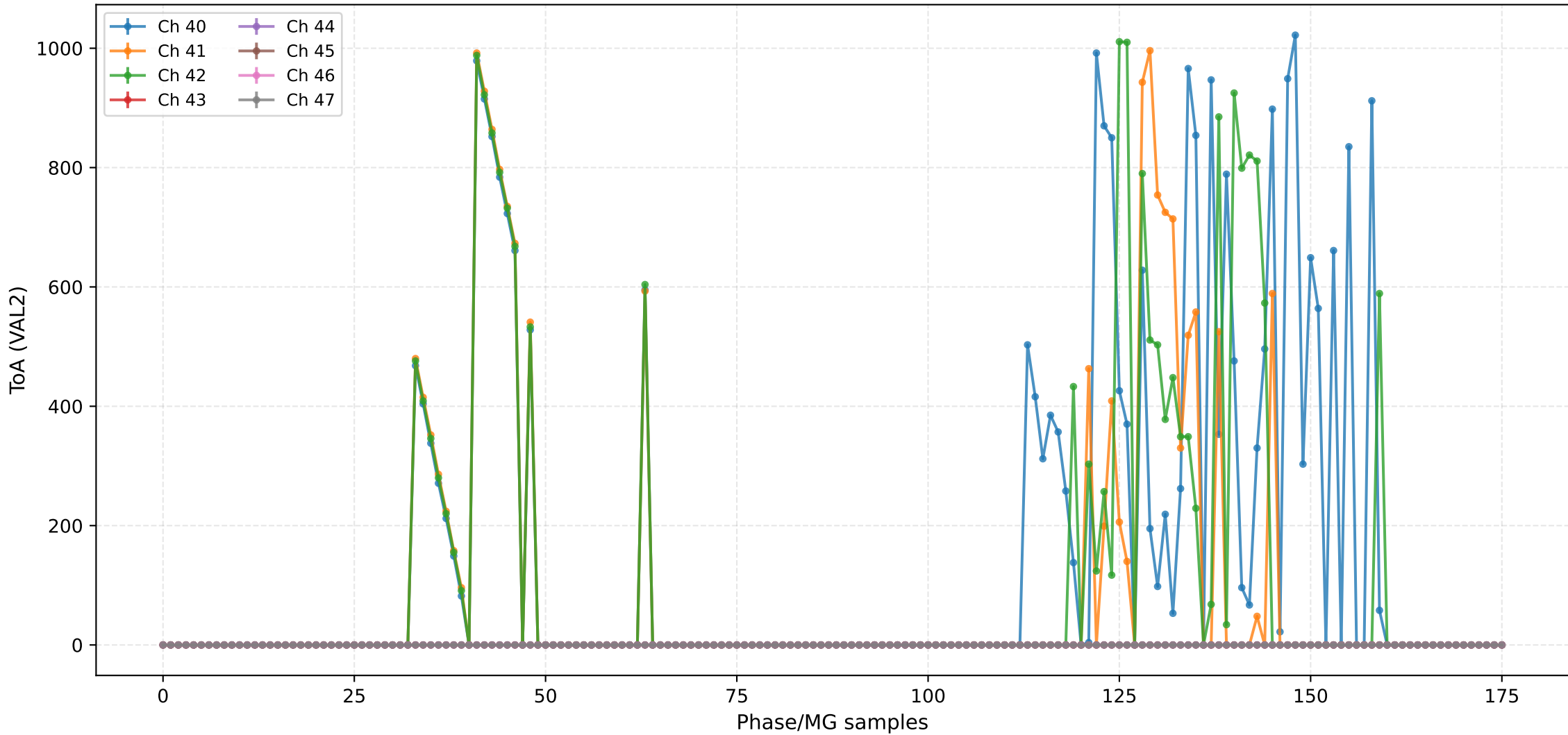


ToA (VAL2) - Channels 24 to 31

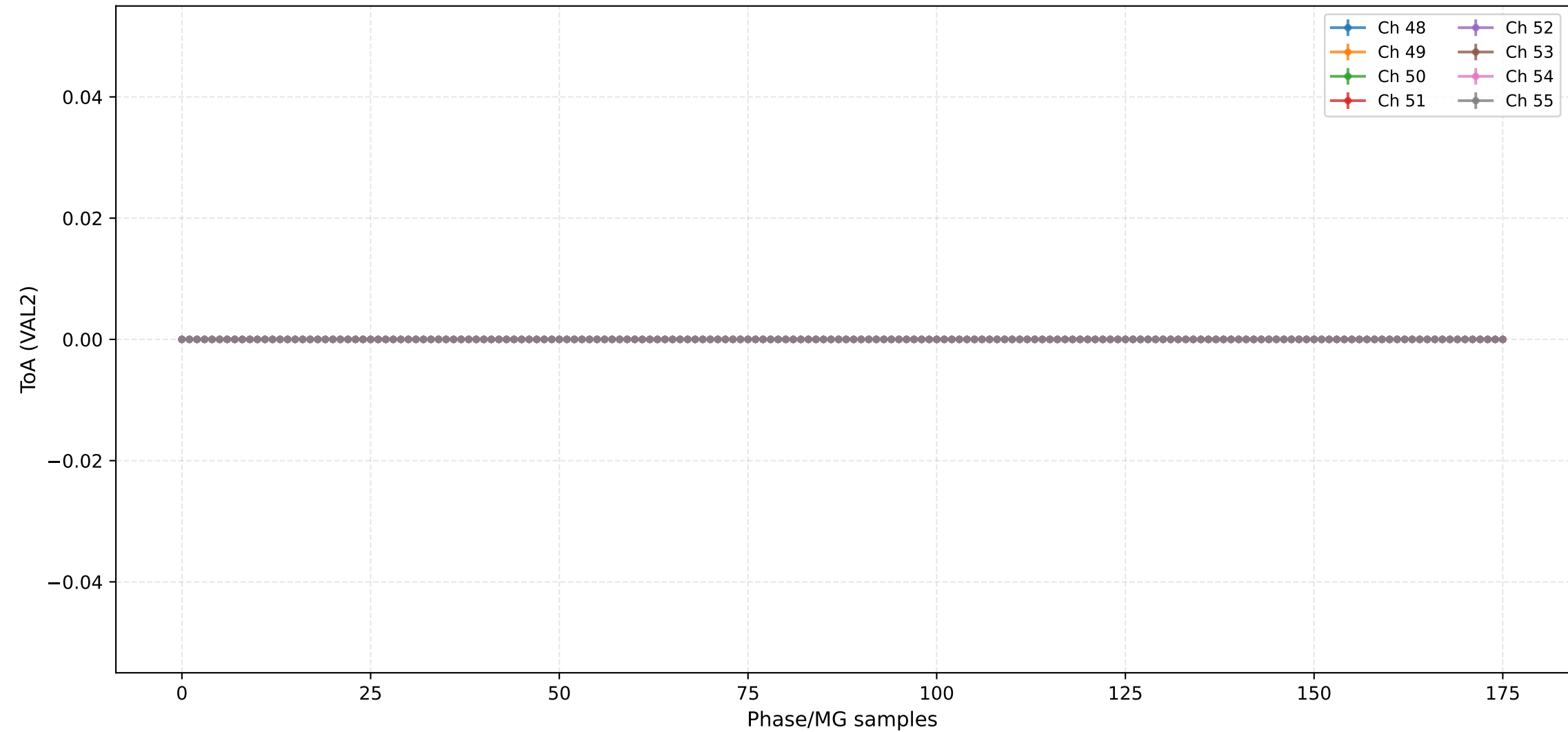




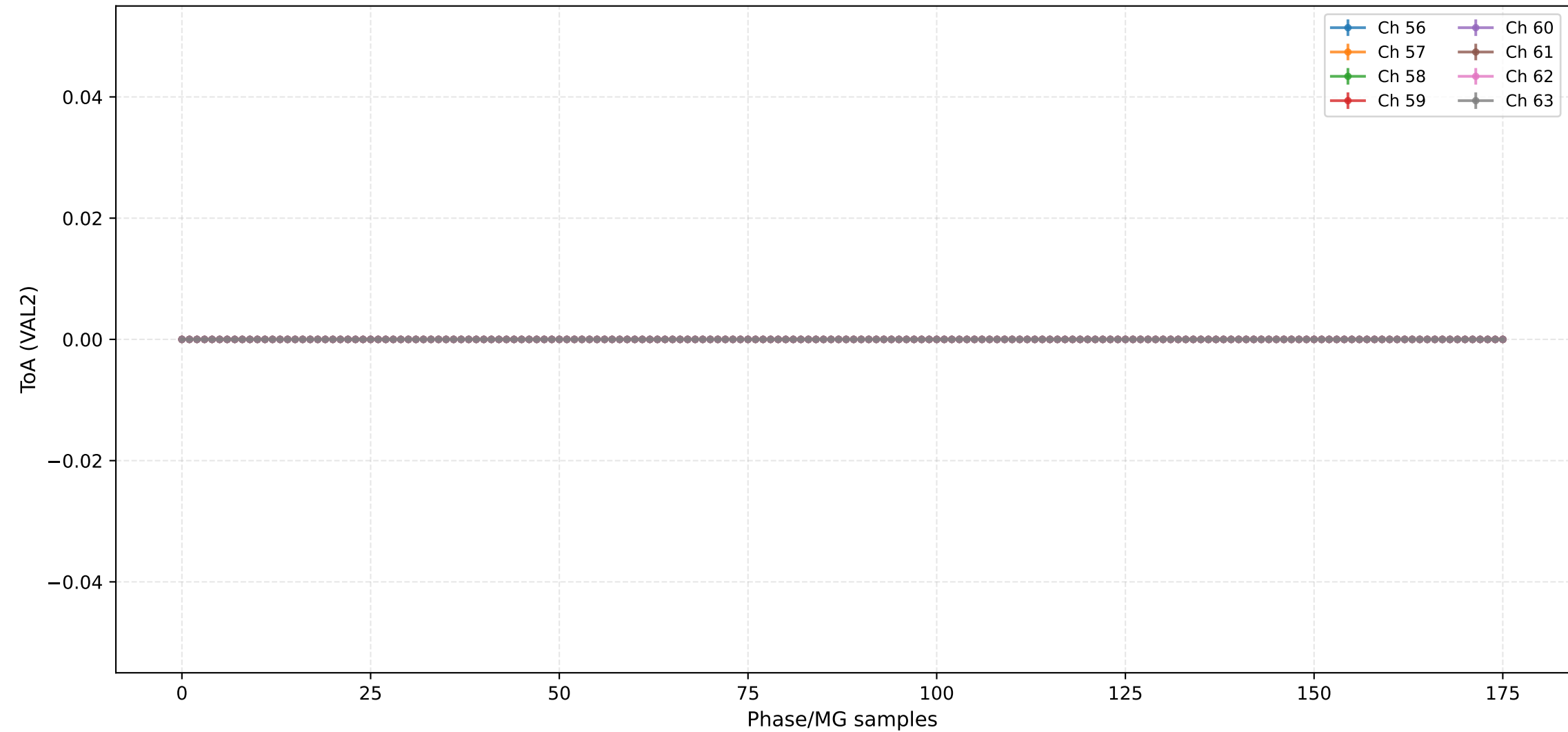
## ToA (VAL2) - Channels 40 to 47



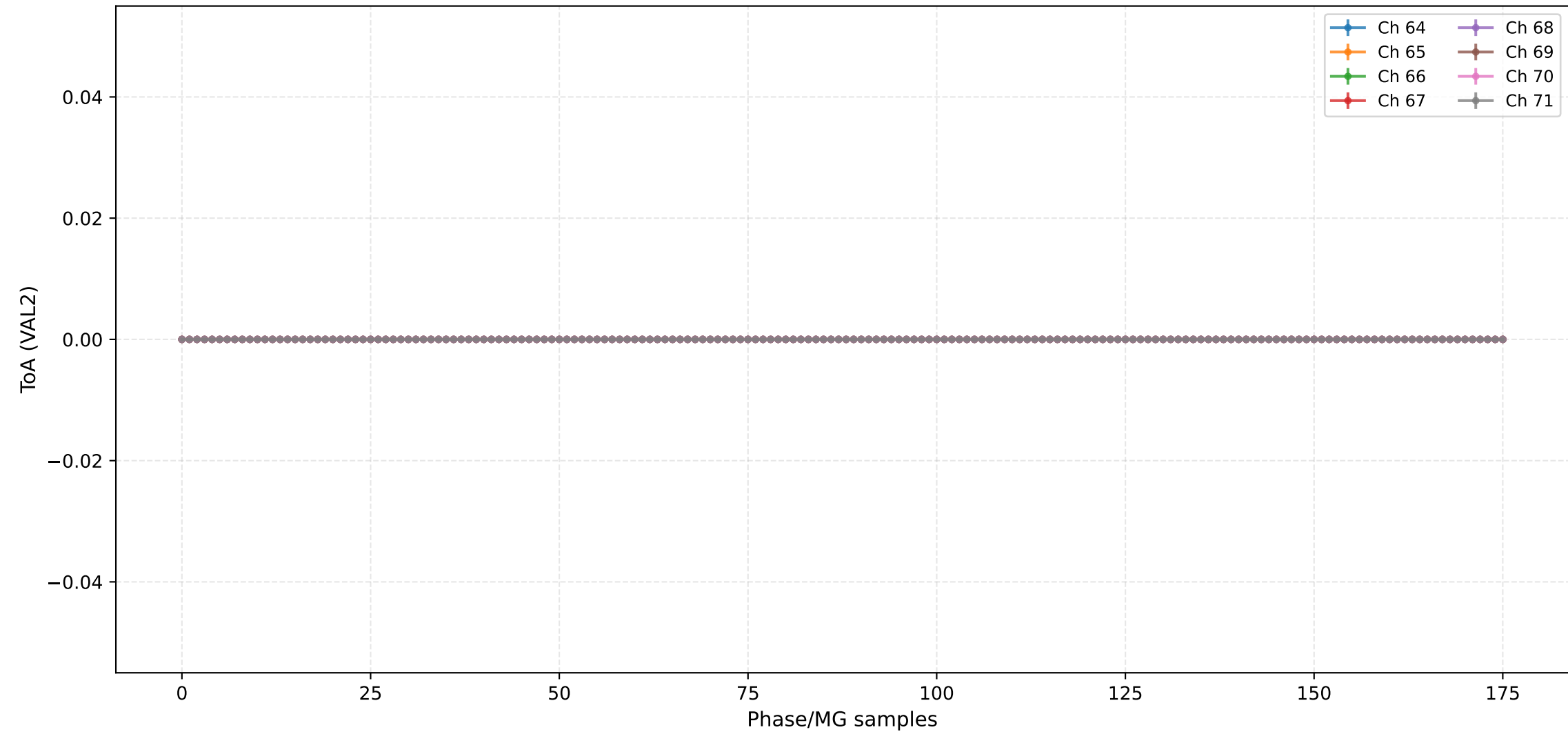
ToA (VAL2) - Channels 48 to 55



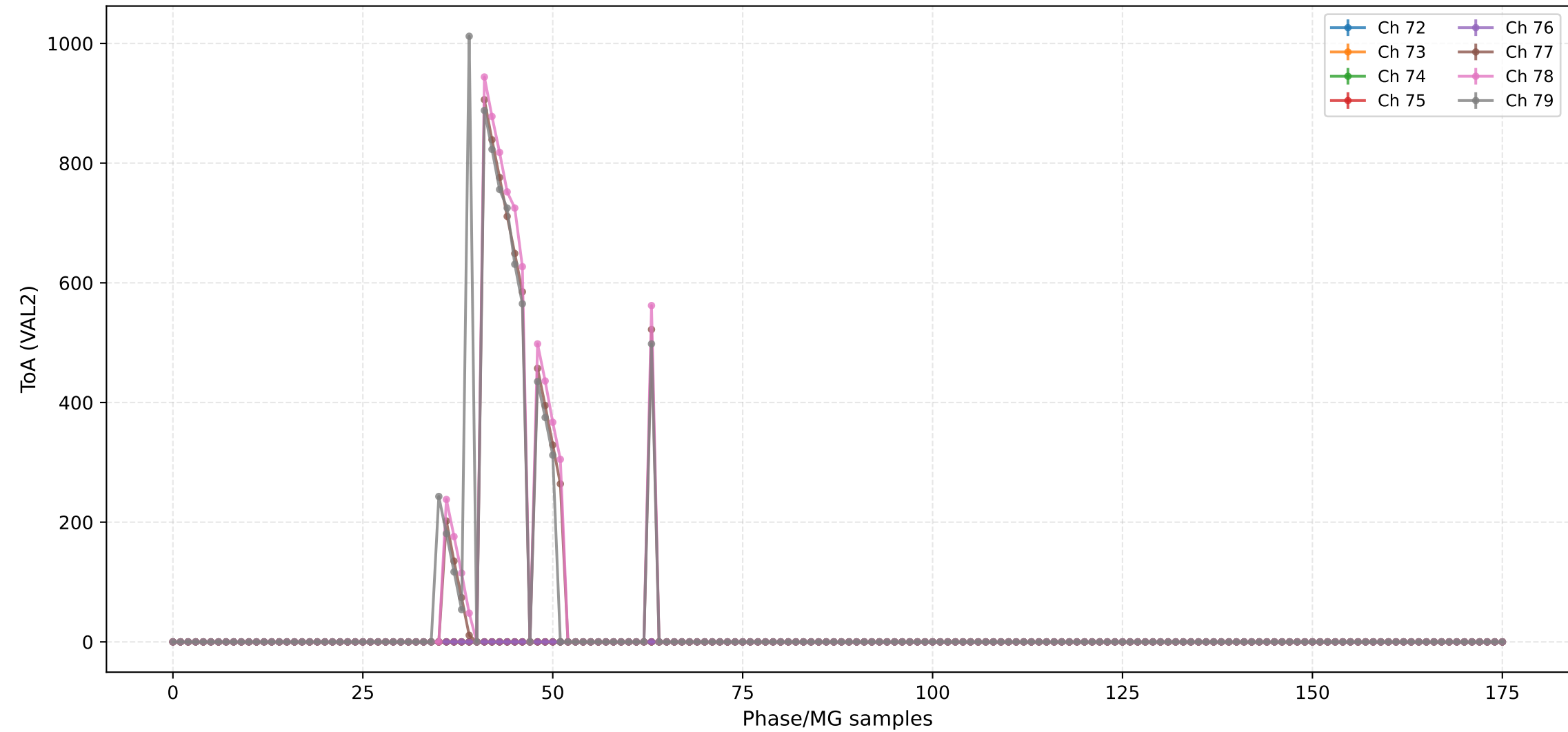
## ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71

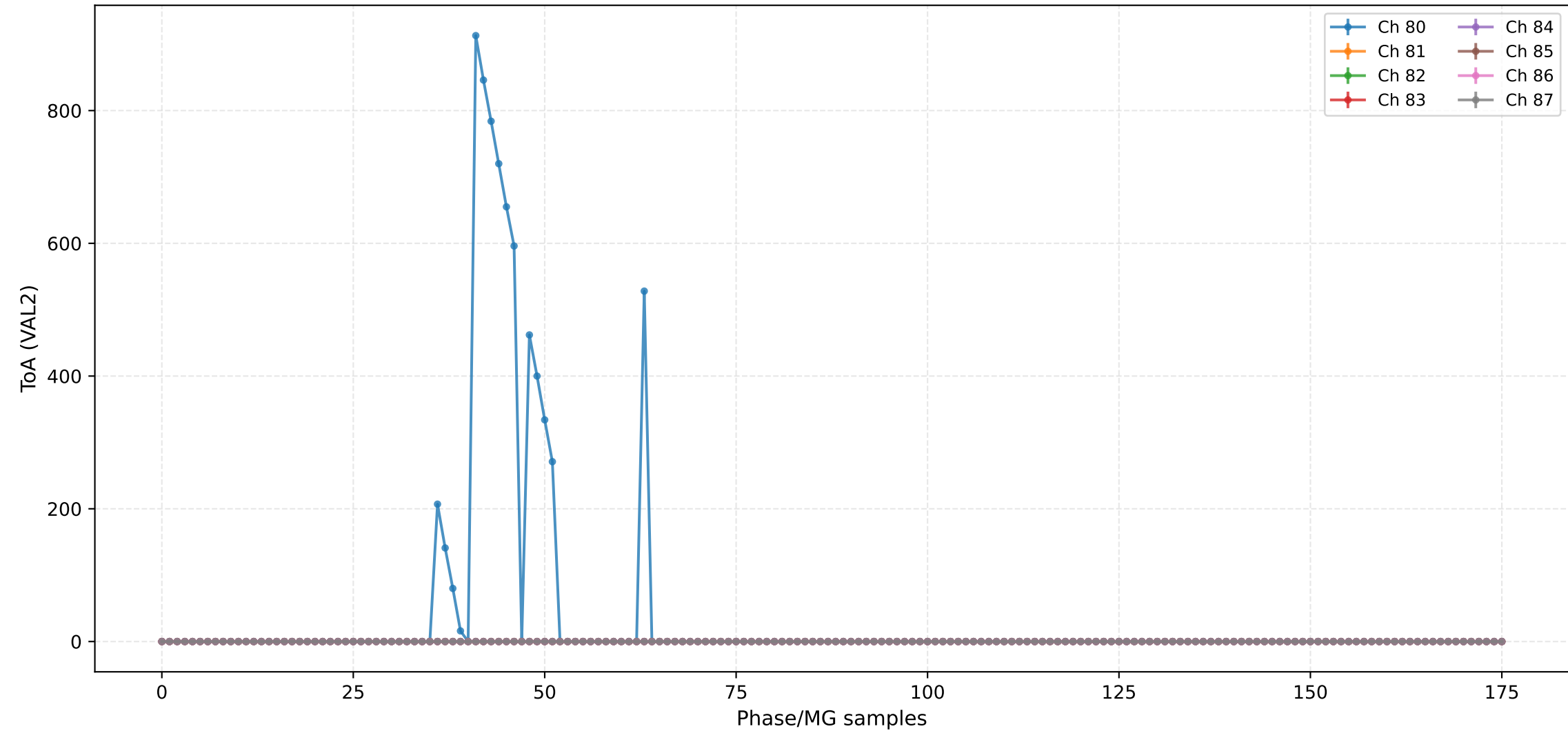


ToA (VAL2) - Channels 72 to 79





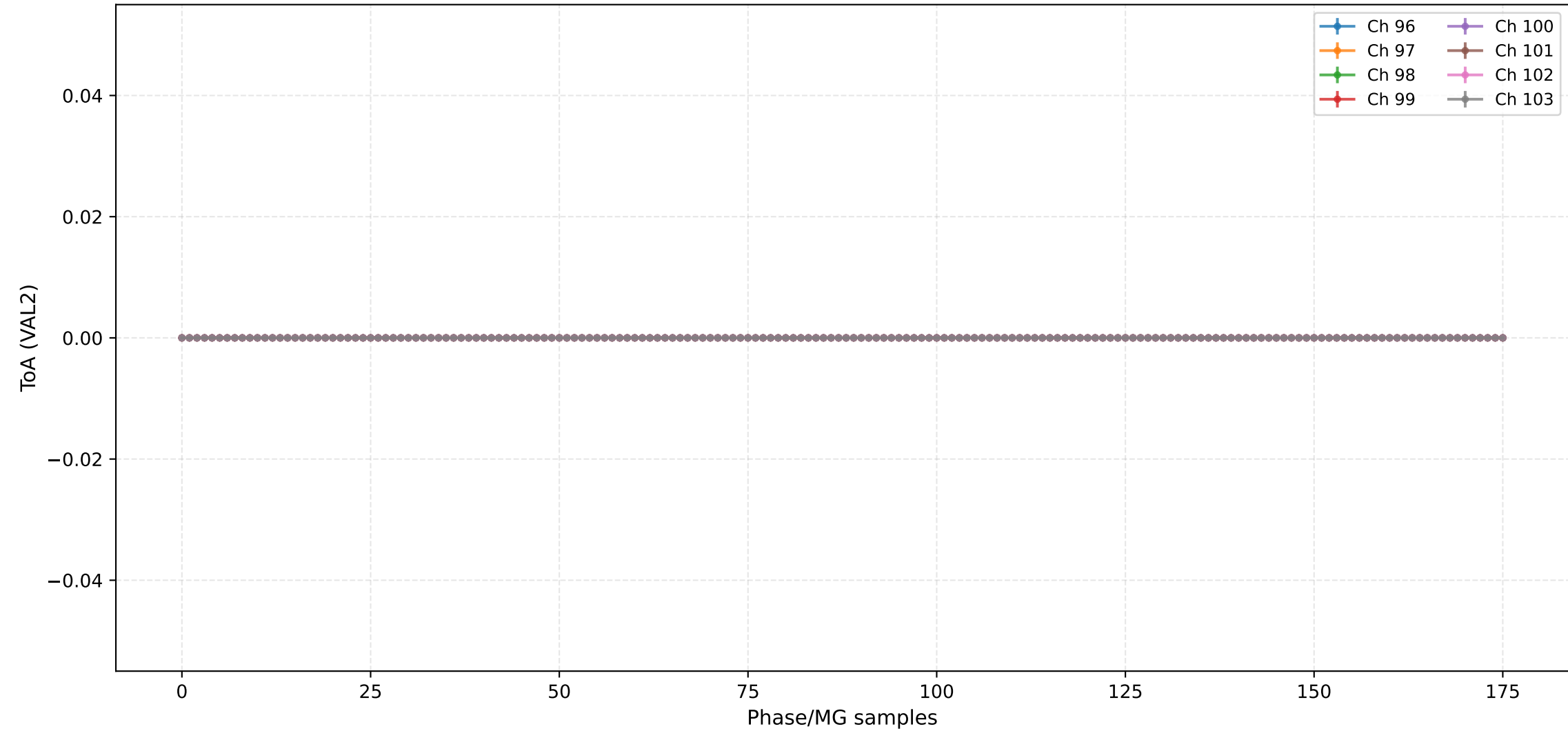
## ToA (VAL2) - Channels 80 to 87



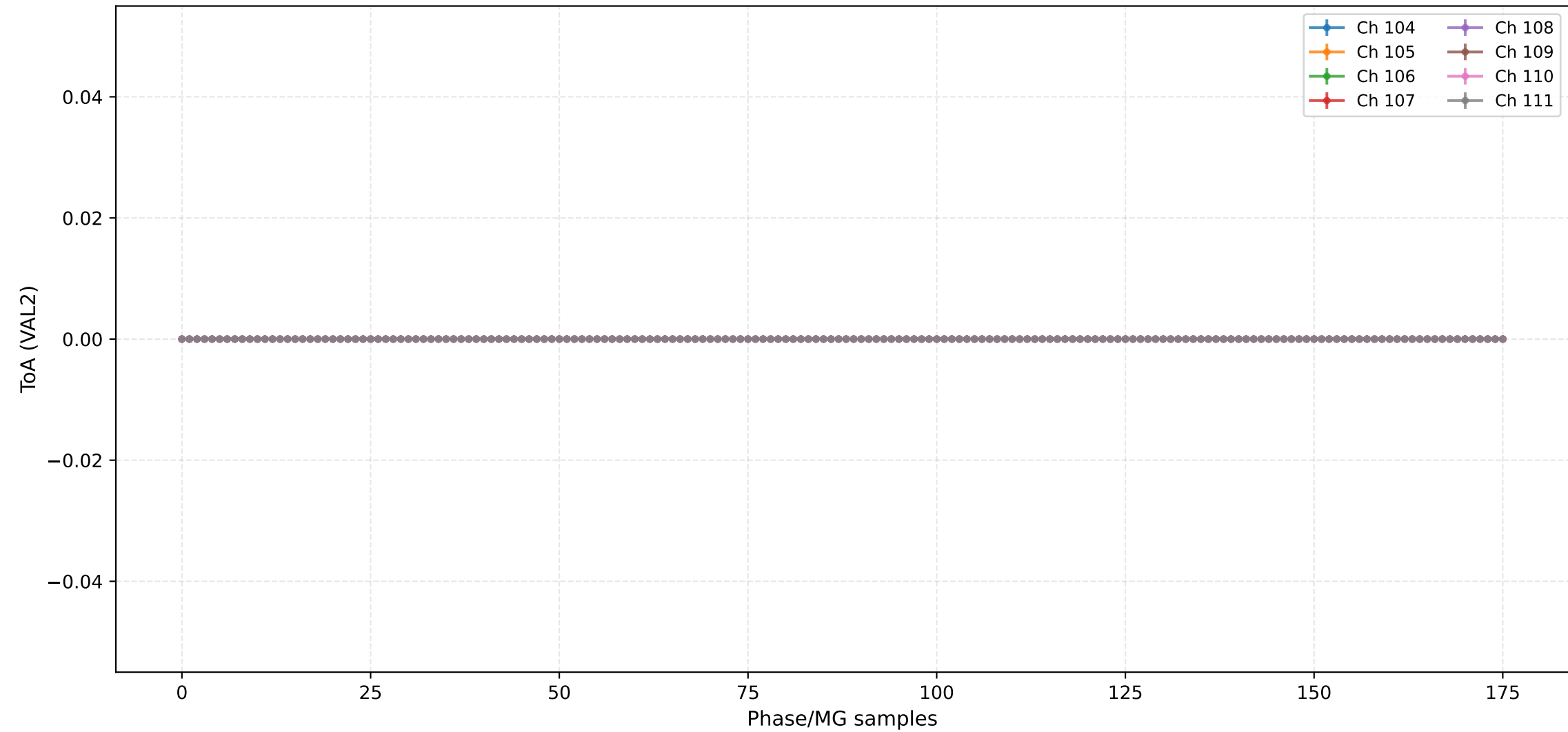
ToA (VAL2) - Channels 88 to 95



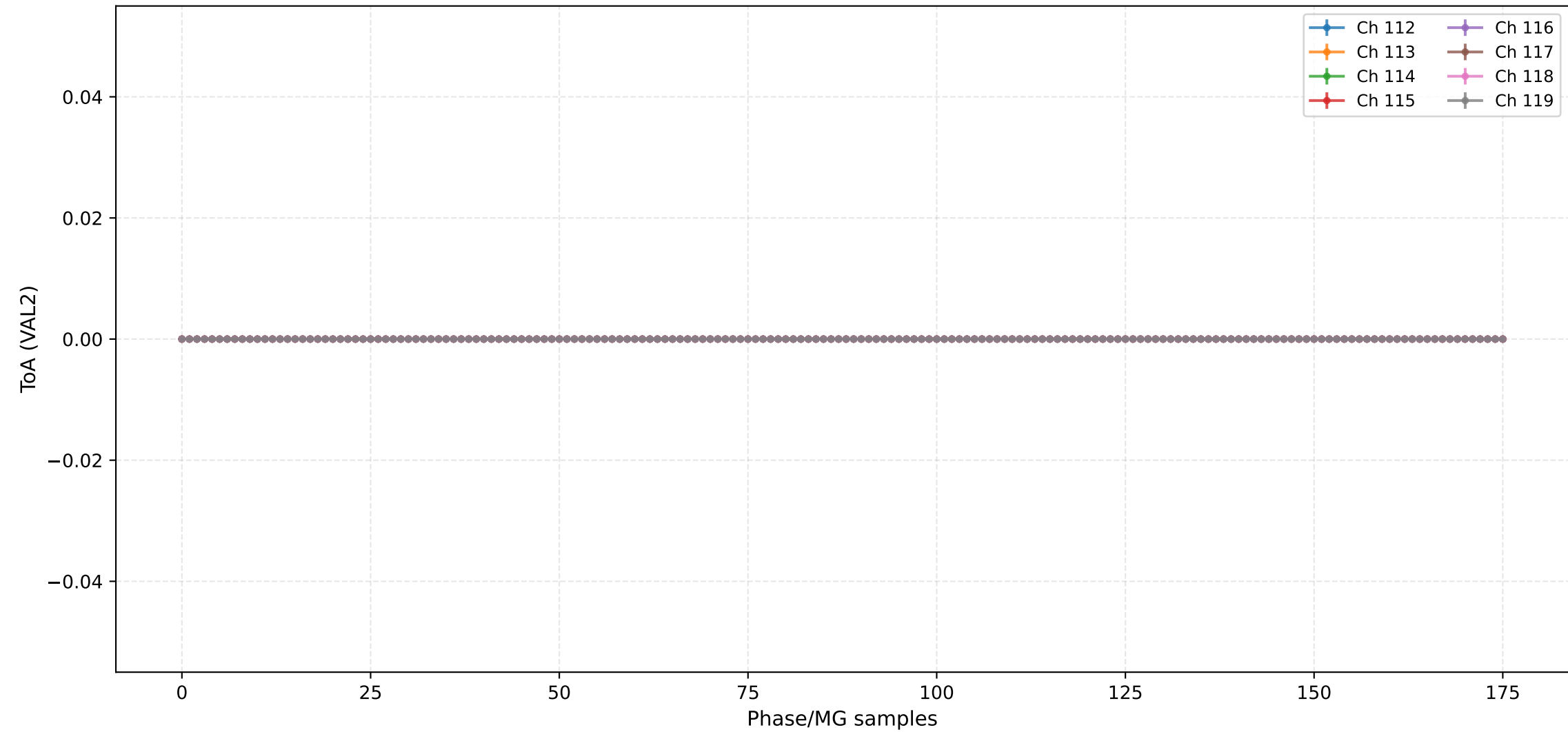
ToA (VAL2) - Channels 96 to 103



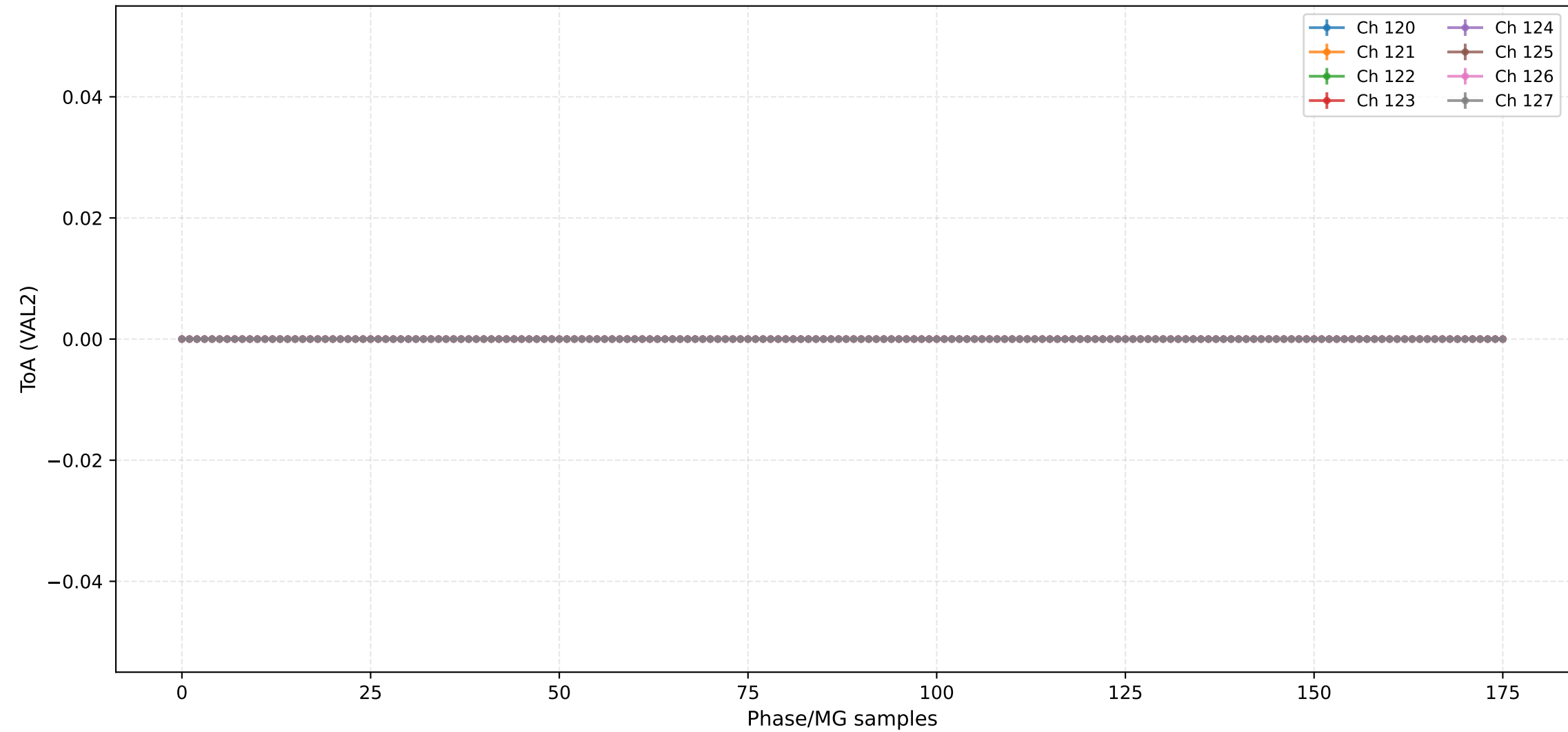
ToA (VAL2) - Channels 104 to 111



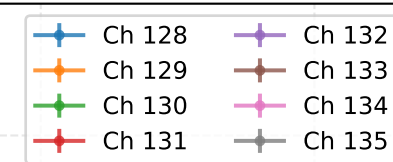
## ToA (VAL2) - Channels 112 to 119



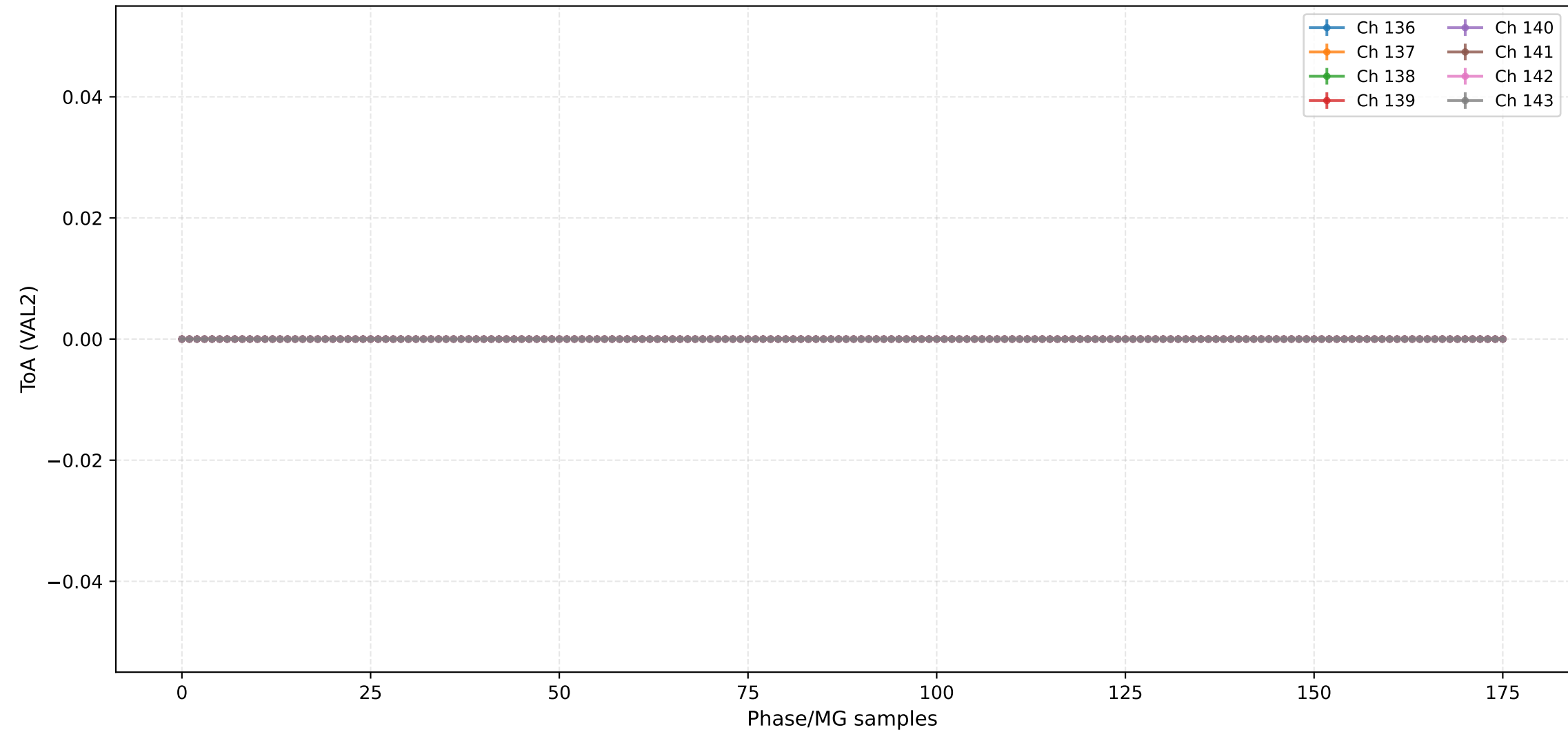
## ToA (VAL2) - Channels 120 to 127



The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis is labeled 'Time' and ranges from 0 to 150. The y-axis is labeled ' $\sigma_y$ ' and ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant value of 0 for the entire duration of the simulation.

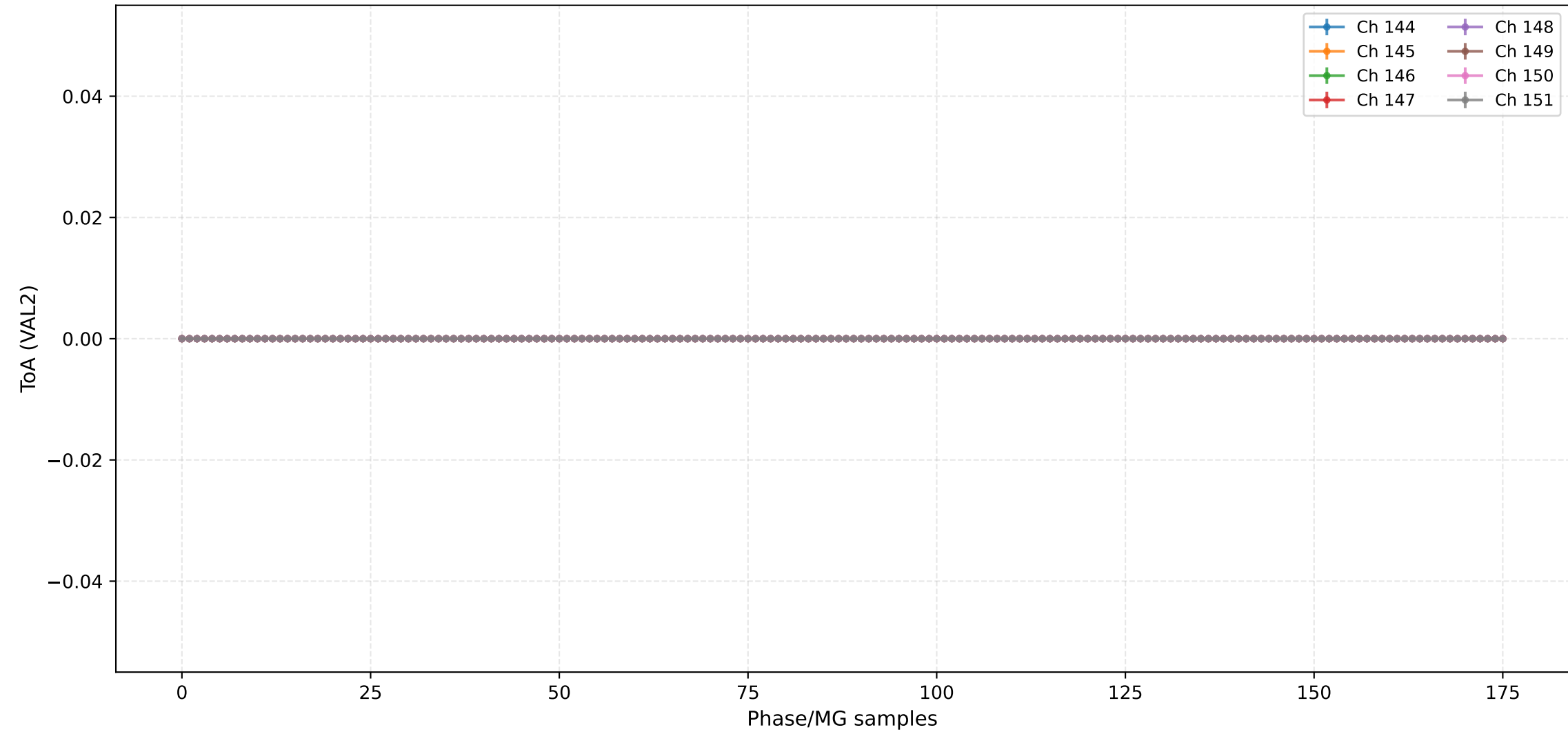


ToA (VAL2) - Channels 136 to 143





## ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 00:40:46

### Configuration:

- Total ASICs: 2
- Injection DAC: 450
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac450\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac450\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac450\_mg10\_pack2\_chn10\_val2.csv